AASP African American Studies Spring 2014

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Shane Walsh MWF 10:00am - 10:50am	Seats (Total: 35) LEF 1220
0102	Shane Walsh MWF 12:00pm - 12:50pm	Seats (Total: 35) LEF 1201
0103	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0110
0104	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1107
0105	Jason Nichols TuTh 11:00am - 12:15pm	Seats (Total: 35) LEF 1220
0106	Jason Nichols TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMP 2202

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies. Restricted to HONR students only.

0101	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 5) SQH 1107
0102	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 5) ARM 0110

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Formerly: AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie TuTh 12:30pm - 1:45pm	Seats (Total: 39) TYD 2106

AASP187 **The New Jim Crow: African-Americans, Mass Incarceration and the Prison Industrial Complex**

AASP187 The New Jim Crow: African-Americans, Mass Incarceration and the Prison Industrial Complex; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Recommended: AASP100. Students will examine the birth of the racial caste system following the abolition of slavery, the parallels between the racial hierarchy of the Jim Crow system and contemporary mass incarceration, and the rise of the prison industrial complex as a multi-billon business which thrives on the oppression of low-income populations and poor communities of color.

0101	Joseph Richardson MW 3:00pm - 4:15pm	Seats (Total: 120) HJP 0226

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo W 4:00pm - 6:30pm	Seats (Total: 40) KEY 0103

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Dennis Doster MW 10:00am - 11:15am	Seats (Total: 35) ARC 1101

0201	Dennis Doster MW 1:00pm - 2:15pm	Seats (Total: 35) TYD 2106
0301	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 30) MMH 0108
0401	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1105

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 5) MMH 0108

AASP274 **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

AASP274 Creative Writing Through The Eyes of African Americans: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not have completed any courses from ENGL278C, AASP274, AASP298W, ENGL274, ENGL271, ENGL294N, or ENGL294. Also offered as: ENGL274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: AASP298W. Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Dorothy Phaire TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

AASP297 **Research Methods in African American Studies**

AASP297 *(PermReq)* **Research Methods in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: AASP101 or AASP202. Restriction: Must be in African American Studies program. Credit only granted for: AASP297 or AASP299R. Formerly: AASP299R.
Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Sharon Harley	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TLF 1102

AASP298F **Special Topics in African American Studies; Caribbean Film and Literature**
Contact department for information to register for this course.

AASP298I **Special Topics in African American Studies; Introduction to Black Women's Studies**

AASP298I Special Topics in African American Studies: Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: WMST298A, AASP298I, or AASP298S. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Augusta Bolles	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TWS 0214

AASP298Z **Special Topics in African American Studies; Jazz as a Cultural Art Form**

AASP298Z Special Topics in African American Studies: Jazz as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: AASP298U.

0101	Ronald Zeigler	Seats (Total: 43)
	M 2:00pm - 4:30pm	NCC 0130

AASP303 **Computer Applications in African American Studies**

AASP303 Computer Applications in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT100, MATH111, or SOCY201; or students who have taken courses with comparable content may contact the department. Introduction to statistics and database processing software used in model estimation and simulation in policy analysis. Special emphasis on applications for applied research on policy problems confronting minority communities.

0101	Brian Ward	Seats (Total: 20)
	MW 6:00pm - 7:15pm	LEF 0214

AASP305 **Theoretical, Methodological and Policy Research Issues in African American Studies**

AASP305 Theoretical, Methodological and Policy Research Issues in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP301; and (STAT100, MATH111, PSYC200, BMGT230, or SOCY201). Or students who have taken courses with comparable content may contact the department. Formerly: AASP401. Theories and concepts in the social and behavioral sciences relating to problems in minority communities. Issues include validity and soundness of theoretical arguments, epistemological questions of various methodologies and the relationship between policy making and policy research.

0101	Christopher St.Vil	Seats (Total: 18)
	Th 4:00pm - 6:30pm	LEF 1222

AASP310 **African Slave Trade**

AASP310 African Slave Trade; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP202 or AASP100; or permission of BSOS-African American Studies department. Formerly: AASP311. The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

0101	Ibrahim Kargbo	Seats (Total: 35)
	W 1:00pm - 3:30pm	MMH 3418

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-African American Studies department; and junior standing or higher.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisite: AASP386 and AASP297. Restriction: Must be in African American Studies program. Credit only granted for: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Joseph Richardson	Seats (Total: 10)
	M 12:00pm - 2:45pm	TLF 1102

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-African American Studies department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398A **Selected Topics in the African Diaspora; Gender, Race, and Class in British and American Narratives (1680-1930)**

AASP398A Selected Topics in the African Diaspora: Gender, Race, and Class in British and American Narratives (1680-1930); (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 6 credits if content differs. Also offered as: ENGL348A and WMST348A. Credit only granted for: AASP398A, ENGL348A, or WMST348A. The context, form, style and meaning of literary works by women.

0101	Carla Peterson TuTh 3:30pm - 4:45pm	Seats (Total: 28) TWS 0221

AASP398C **Selected Topics in the African Diaspora; African American Literature**

AASP398C Selected Topics in the African Diaspora: African American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed two lower-level English courses, at least one in literature; or permission of ARHU-English department. Also offered as AASP398C. Credit grandted for AASP398C or ENGL371.

0101	Edlie Wong MW 11:00am - 12:15pm	Seats (Total: 28) TWS 0236

AASP398D **Selected Topics in the African Diaspora; Blues and African American Folksong**

AASP398D Selected Topics in the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Also offered as ENGL368B. Credit grandted for ENGL368B or AASP398D.

0101	Barry Pearson MW 2:00pm - 3:15pm	Seats (Total: 28) TWS 1107

AASP398G **Selected Topics in the African Diaspora; Gender, Labor, and Racial Identify in Diaspora Communities**

AASP398G Selected Topics in the African Diaspora: Gender, Labor, and Racial Identify in Diaspora Communities; (3 credits) Grade Method: REG.

0101	Sharon Harley Tu 2:00pm - 4:45pm	Seats (Total: 35) TLF 1102

AASP398Q **Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama**

AASP398Q Selected Topics in the African Diaspora: Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama; (3 credits) Grade Method: REG.

0101	Robert Choflet Th 3:00pm - 5:30pm	Seats (Total: 35) LEF 1220

AASP402 **Classic Readings in African American Studies**

AASP402 Classic Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP202 or AASP100. Classic readings of the social, economic and political status of blacks and other minorities in the United States and the Americas.

0101	David Terry Tu 4:00pm - 6:30pm	Seats (Total: 23) PLS 1146

AASP411 **Black Resistance Movements**
Contact department for information to register for this course.

AASP441 **Science, Technology, and the Black Community**

AASP441 Science, Technology, and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST255, AASP202, or AASP100; or permission of BSOS-African American Studies department. Scientific knowledge and skills in solving technological and social problems, particularly those faced by the black community. Examines the evolution and development of African and African American contributions to science. Surveys the impact of technological changes on minority communities.

0101	Jerry Semper W 4:00pm - 6:30pm	Seats (Total: 40) SQH 1101

AASP443 **Blacks and the Law**

AASP443 Blacks and the Law; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST255, AASP202, or AASP100; or permission of BSOS-African American Studies department. The relationship between black Americans and the law, particularly criminal law, criminal institutions and the criminal justice system. Examines historical changes in the legal status of blacks and changes in the causes of racial disparities in criminal involvement and punishments.

0101	Joseph Clark W 6:00pm - 8:30pm	Seats (Total: 35) LEF 1220

AASP478A **Humanities Topics in African American Studies; Caribbean Literature by Women**

AASP478A Humanities Topics in African American Studies: Caribbean Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: two English courses in literature or permission of department. Also offered as ENGL448A. Credit granted for AASP478A or ENGL448A.

0101	Merle Collins TuTh 12:30pm - 1:45pm	Seats (Total: 23) TWS 0201

AASP478B **Humanities Topics in African American Studies; African-American Literature: The Beginning to 1910**

AASP478B Humanities Topics in African American Studies: African-American Literature: The Beginning to 1910; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: Two English courses in literature; or permission of ARHU-English department. Also offered as ENGL470. Credit granted for AASP478B or ENGL470.

0101	Edlie Wong MW 3:30pm - 4:45pm	Seats (Total: 23) TWS 0236

AASP478L **Humanities Topics in African American Studies; Literature and the Shaping of the Caribbean**
Contact department for information to register for this course.

AASP498F **Special Topics in Black Culture; Women in Caribbean**
Contact department for information to register for this course.

AASP498K **Special Topics in Black Culture; Black Masculinities in Art, Music, and Dacne**

AASP498K Special Topics in Black Culture: Black Masculinities in Art, Music, and Dacne; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Nichols Tu 4:00pm - 6:30pm	Seats (Total: 35) KEY 0116

AASP498Q **Special Topics in Black Culture; A Critical Examination of Race through Hip-Hop and Sports**

AASP498Q Special Topics in Black Culture: A Critical Examination of Race through Hip-Hop and Sports; (3 credits) Grade Method: REG.
The goal of this course is to empower students with language and critical skills to analyze how the concepts of race, white privilege, sports, and hip-hop music operate in society; particularly as it relatesto stereotypes and social inequality.

0101	Robert Turner	Seats (Total: 35)
	W 3:00pm - 5:45pm	ARM 0105

AASP498W **Special Topics in Black Culture; Washington and Prince George's History, Culture, and Public Policy**

AASP498W Special Topics in Black Culture: Washington and Prince George's History, Culture, and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England	Seats (Total: 45)
	M 5:00pm - 7:30pm	TYD 2109

AASP499N **Advanced Topics in Public Policy and the Black Community; Gentrification: The Evolution of Urban Neighborhoods**

AASP499N Advanced Topics in Public Policy and the Black Community: Gentrification: The Evolution of Urban Neighborhoods; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.

0101	Leila Batties	Seats (Total: 35)
	M 2:00pm - 4:45pm	KEY 1117

AAST Asian American Studies Spring 2014

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C.

0101	Instructor: TBA	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	SQH 1117	

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST221. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221. Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Instructor: TBA	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	SQH 1101	

AAST222 **Immigration and Ethnicity in America**

AAST222 Immigration and Ethnicity in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST222. Credit only granted for: AAST222, HIST219L, or HIST222. The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture. Also offered as HIST222.

0101	Lisa Mar	Seats (Total: 20)	
	MW 11:00am - 11:50am	PLS 1140	
	M 10:00am - 10:50am	KEY 0119	Discussion

0102	Lisa Mar MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 KEY 0123	Discussion
0103	Lisa Mar MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1140 KEY 0117	Discussion
0104	Lisa Mar MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 KEY 0125	Discussion

AAST233 **Introduction to Asian American Literature**

AAST233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Also offered as: ENGL233. Credit only granted for: ENGL233 or AAST233.* A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Emily Perez TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 1105	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Janelle Wong, Jude Paul Dizon W 5:00pm - 7:00pm	Seats (Total: 26) Location: TBA	

AAST398F **Selected Topics in Asian American Studies; Experiential Learning/Independent Research in Asian American Studies**

AAST398F Selected Topics in Asian American Studies: Experiential Learning/Independent Research in Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Students are provided with first-hand experience working on key issues related to Asian American communities. They may opt to work with 1) an Asian American community organization as an intern or 2) with a faculty member on an independent research project.

0101	Janelle Wong	Seats (Total: 10)
	Contact instructor or department for details.	

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Film**

AAST398L Selected Topics in Asian American Studies: Asian Americans in Film; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Asians and Asian Americans have long been subjects of the popular American cinematic imagination. Using the lenses of abjection and Orientalism, this class will consider the particular roles Asians and Asian Americans play in popular American cinema, specifically in relation to shifting formations of "America" and "American".

0101	Lawrence-Minh Davis	Seats (Total: 40)
	Th 3:30pm - 6:00pm	TWS 0207

AAST398Q **Selected Topics in Asian American Studies; Diversity, Work, and Play in the Digital Age**

AAST398Q Selected Topics in Asian American Studies: Diversity, Work, and Play in the Digital Age; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST328W. Credit granted for AAST398Q or AMST328W. Focuses on the social and cultural transformations associated with the information revolution, namely the advancements of information and communication technologies since late 19th century. It attempts to historicize and contextualize the Internet (or web 2.0) in the genealogy of technology with its own characteristics in the late-capitalism and globalization era. The ultimate goal is to understand race and work in this context.

0101	Yujie Chen	Seats (Total: 30)
	Th 3:30pm - 6:00pm	SQH 1107

AAST424 **Sociology of Race Relations**

AAST424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of UGST-Undergraduate Studies. Restriction: Must not have completed SOCY424. Also offered as: SOCY424. Credit only granted for: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Rashawn Ray	Seats (Total: 29)
	MW 2:00pm - 3:15pm	ASY 3203

AAST498A **Education and Counseling Issues for Asian Americans**

AAST498A Education and Counseling Issues for Asian Americans; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Restricted to Sophomores, Juniors and Seniors. Asian Americans are often seen as an invisible group, but their experiences have significant implications for the racial politics of education. Issues related to K-12 and higher education for Asian Americans, including disparities between ethnic subgroups, the model minority myth, mental health, affirmative action, and campus life will be covered.

0101	Julie Park	Seats (Total: 18)
	Th 1:30pm - 4:00pm	EDU 0202

AAST498B **Advanced Topics in Asian American Studies; Confucius' Many lives in East Asia & Asian America**

AAST498B Advanced Topics in Asian American Studies: Confucius' Many lives in East Asia & Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428K, PHIL428L, and RELS419M. Credit will be granted for one of the following: AAST498B, HIST428K, PHIL428L, or RELS419M. Explores the strong influences of Confucian cultural ideals in East Asia and among Asian Americans, from ancient China to the 21st century modern present, focusing on the ways diverse peoples imagined Confucius to meet the needs of their times. Topics include: ideas about leading a good and meaningful life, religion, philosophy, family, politics, and education, as well as globalimigrations of ideas, peoples, and cultural practices in the Pacific World.

0101	Lisa Mar	Seats (Total: 40)
	MW 2:00pm - 3:15pm	PLS 1119

AAST498E **Advanced Topics in Asian American Studies; Asian American Sexualities**

AAST498E Advanced Topics in Asian American Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418T, LGBT448E and WMST498C. Credit granted for one of the following: AAST498E, AMST418T, LGBT448E or WMST498C. Focuses on the concepts of race, class, gender and sexuality and their intersections. It exposes students to theories on sex, gender, sexuality, ethnicity and race as connected to Asian Pacific American identities and communities.

0101	Jeannette Soon-Ludes	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1101

AAST498K **Advanced Topics in Asian American Studies; Border Crossings: People, Power, and Politics in Translational Perspective**

AAST498K Advanced Topics in Asian American Studies: Border Crossings: People, Power, and Politics in Translational Perspective; (3 credits) Grade Method: REG.
Prerequisites: At least three credits hours of prior coursework in AMST. Also listed as AAST498K.

0101	Jan Padios	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1121

AAST498M **Advanced Topics in Asian American Studies; Asian American Public Policy**

AAST498M Advanced Topics in Asian American Studies: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418N. This course is for Juniors or Seniors only. Prerequisite: AAST200/AMST298C or AAST201/HIST221. Using Asian Pacific Americans as a case study, the development of public policy in America will be analyzed. Each week, topics such as the movement to redress the wartime internment of Japanese Americans will serve as backdrops for discussion. Three highlights of the class will be a field trip to Annapolis, to see how policy is made; a visit to the Smithsonian, to see how memories of public policy debates are preserved; and oral history videotaping of APA community members that the students will do themselves.

0101	Philip Nash	Seats (Total: 20)
	M 5:00pm - 7:30pm	TWS 1106

AAST498N **Advanced Topics in Asian American Studies; South Asian American Communities**

AAST498N Advanced Topics in Asian American Studies: South Asian American Communities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418X. Credit granted for AAST498N or AMST418X. The historical and contemporary experiences of South Asian Americans will be examined. It pays special attention to patterns of migration, interethnic relations, gender, culture, identity formation, activism and public policy issues

0101	Deepa Iyer	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SYM 0215

AGNR Agriculture and Natural Resources Spring 2014

AGNR301 **Sustainability**

AGNR301 Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: PUAF301. Credit only granted for: AGNR301 or PUAF301. Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Daria Karetnikov	Seats (Total: 95)
	W 1:00pm - 3:45pm	SKN 0200

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 20)
	Contact instructor or department for details.	

AGNR489 **Field Experience; Travel Study Seminar**

AGNR489 *(PermReq)* **Field Experience: Travel Study Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Leon Slaughter	Seats (Total: 2)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation Spring 2014

AMSC420 **Mathematical Modeling**

AMSC420 *(PermReq)* **Mathematical Modeling; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: MATH240 or MATH461; and (MATH241, MATH246, and STAT400); and permission of CMNS-Mathematics department. Also offered as: MATH420. Credit only granted for: AMSC420 or MATH420. The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Charles Levermore	Seats (Total: 28)
	MWF 11:00am - 11:50am	MTH 1313

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC460. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Tobias von Petersdorff	Seats (Total: 27)
	MWF 12:00pm - 12:50pm	MTH 0307

0201	Ramani Duraiswami	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	CSI 3120

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Harland Glaz	Seats (Total: 28)
	TuTh 9:30am - 10:45am	MTH 0411

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC612 **Numerical Methods in Partial Differential Equations**

AMSC612 Numerical Methods in Partial Differential Equations; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one graduate level course in partial differential equations OR one theoretical graduate level course in an applied mathematics field; or permission of instructor. Finite difference methods for elliptic, parabolic, and hyperbolic partial differential equations. Additional topics such as spectral methods, variational methods for elliptic problems, stability theory for hyperbolic initial-boundary value problems, and solution methods for conservation laws.

0101	Ricardo Nochetto	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	MTH 1308

AMSC661 **Scientific Computing II**

AMSC661 Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: CMSC661. Credit only granted for: AMSC661 or CMSC661. Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices. Finite element methods, numerical methods for tiem dependent partia l differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Howard Elman	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 2107

AMSC664 **Advanced Scientific Computing II**

AMSC664 *(PermReq)* **Advanced Scientific Computing II; (3 credits)** Grade Method: REG.
Prerequisite: AMSC663. Restriction: Permission of instructor. Also offered as: CMSC664. Credit only granted for: AMSC664 or CMSC664. In the sequence AMSC 663, AMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Kayo Ide	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 4122

AMSC667 **Numerical Analysis II**

AMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD.
Prerequisite: AMSC666 or CMSC666. Also offered as: CMSC667. Credit only granted for: AMSC667 or CMSC667. Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

0101	Maria Cameron	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0409

AMSC671 **Ordinary Differential Equations II**

AMSC671 Ordinary Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH630. And MATH670 or AMSC670; or students who have taken courses with comparable content may contact the department. Also offered as: MATH671. Credit only granted for: AMSC671 or MATH671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems.

0101	Michael Jakobson	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MTH 0401

AMSC674 **Partial Differential Equations II**

AMSC674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH673 or AMSC673; or permission of instructor. Also offered as: MATH674. Credit only granted for: AMSC674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered Spring only.

0101	Matei Machedon	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH B0429

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC760 **Applied Statistics Practicum**

AMSC760 *(PermReq)* **Applied Statistics Practicum; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator. A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0101	Charles Levermore	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

AMSC762 *(PermReq)* **Data Analysis Project; (1 credit)** Grade Method: REG.
This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Charles Levermore	Seats (Total: 20)
	Contact instructor or department for details.	
	Prerequisites: Oral and written communications skills are critical for he applied statistician. Limited to MS non-thesis and doctoral students in the Applied Statistics Area, for whom the resulting Projects serve as a Qualifying Exam component.	

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC808A **Advanced Topics in Applied Mathematics**

AMSC808A Advanced Topics in Applied Mathematics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC808C **Advanced Topics in Applied Mathematics; Nonlinear Hyperbolic Equations**

AMSC808C Advanced Topics in Applied Mathematics: Nonlinear Hyperbolic Equations; (3 credits) Grade Method: REG/AUD.
Also offered as MATH858B. Credit will be granted for AMSC808C or MATH85 8B.

0101	Stuart Antman	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 1308

AMSC808R **Advanced Topics in Applied Mathematics; Sparse and Low Rank Representations: Analytical Methods and Industrial Applications**

AMSC808R Advanced Topics in Applied Mathematics: Sparse and Low Rank Representations: Analytical Methods and Industrial Applications; (3 credits) Grade Method: REG/AUD.

0101	Radu Balan	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSI 4122

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Spring 2014

AMST101 **Introduction American Studies**

AMST101 Introduction American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: AMST101 or AMST201. Formerly: AMST201. Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0101	Tatiana Benjamin MWF 9:00am - 9:50am	Seats (Total: 25) SQH 2119
0102	Michael Casiano MWF 10:00am - 10:50am	Seats (Total: 25) SQH 2121
0201	Stephanie Stevenson TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1111
0202	Ilyas Abukar MWF 12:00pm - 12:50pm	Seats (Total: 25) SQH 2120

AMST202 **Cultures of Everyday Life in America**

AMST202 Cultures of Everyday Life in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.

0101	Jennie Chaplin TuTh 12:30pm - 1:45pm	Seats (Total: 25) SQH 1123

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Susan Pramschufer	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	HBK 0302H
	This section will meet the Hornbake Non-Print Media room.	

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Jennie Chaplin	Seats (Total: 25)
	TuTh 8:00am - 9:15am	SQH 1107

AMST212 **Diversity in American Culture**

AMST212 Diversity in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

0101	Izetta Mobley	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SQH 2121

AMST289A **Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.**

AMST289A Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Formerly: AMST298B.

0101	Asim Ali M 12:00pm - 1:40pm W 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 SQH 1101	Discussion
0102	Asim Ali M 12:00pm - 1:40pm W 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1101	Discussion
0103	Asim Ali M 12:00pm - 1:40pm F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 SQH 1119	Discussion
0104	Asim Ali M 12:00pm - 1:40pm F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 SQH 1119	Discussion

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 1117	

AMST328N **Perspectives on Identity and Culture; Introduction to Native American Cultures of the United States**

AMST328N Perspectives on Identity and Culture: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ANTH468F and RELS319N. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

0101	L Gordon M 4:00pm - 6:40pm	Seats (Total: 35) PLS 1113

AMST328Q **Perspectives on Identity and Culture; Literature of the Chicano Movement**

AMST328Q Perspectives on Identity and Culture: Literature of the Chicano Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.Also offered as ENGL358A and USLT498G. Credit granted for AMST328Q, ENGL358A, or USLT498G. Study of works by U.S. Latina/o writers.

0101	Randy Ontiveros MW 2:00pm - 3:15pm	Seats (Total: 28) TWS 0221

AMST328W **Perspectives on Identity and Culture; Diversity and Labor in the Networked Society**

AMST328W Perspectives on Identity and Culture: Diversity and Labor in the Networked Society; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398Q. Credit granted for AAST398Q or AMST328W. Focuses on the social and cultural transformations associated with the information revolution, namely the advancements of information and communication technologies since late 19th century. It attempts to historicize and contextualize the Internet (or web 2.0) in the genealogy of technology with its own characteristics in the late-capitalism and globalization era. The ultimate goal is to understand race and work in this context.

0101	Yujie Chen Th 3:30pm - 6:00pm	Seats (Total: 30) SQH 1107

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 Introduction to History, Theories and Methods in American Studies; (3 credits) Grade Method: REG.
Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and sophomore standing or higher.
Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Mary Sies	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SQH 2113

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG. *Restriction: Permission of ARHU-American Studies department; and junior standing or higher.* Faculty mentored independent learning. Online interaction using Blackboard required.

0601	Jo Paoletti	Seats (Total: 10)
	Contact instructor or department for details.	

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418E **Cultural Themes in America; Digital Media and Everyday Life**

AMST418E Cultural Themes in America: Digital Media and Everyday Life; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

0101	Jason Farman	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1121

AMST418G **Cultural Themes in America; Food, Trauma, and Sustainability**

AMST418G Cultural Themes in America: Food, Trauma, and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours ofprior coursework in AMST.

0101	Psyche Williams-Forson	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1101

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in AMST.

Contact department for information to register for this course.

AMST418N **Cultural Themes in America; Asian American Public Policy**

AMST418N Cultural Themes in America: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498N. This course is for Juniors or Seniors only. Prerequisite: AAST200/AMST298C or AAST201/HIST221.

0101	Philip Nash	Seats (Total: 20)
	M 5:00pm - 7:30pm	TWS 1106

AMST418R **Cultural Themes in America; Identity in American Culture**

AMST418R Cultural Themes in America: Identity in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	R Kelly	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AMST418T **Cultural Themes in America; Asian American Sexualities**

AMST418T Cultural Themes in America: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498E, LGBT448E and WMST498C. Credit granted for one of the following: AAST498E, AMST418T, LGBT448E or WMST498C. Focuses on the concepts of race, class, gender and sexuality and their intersections. It exposes students to theories on sex, gender, sexuality, ethnicity and race as connected to Asian Pacific American

0101	Jeannette Soon-Ludes	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1101

AMST418X **Cultural Themes in America; South Asian American Communities**

AMST418X Cultural Themes in America: South Asian American Communities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498N. Credit granted for AAST498N or AMST418X. The historical and contemporary experiences of South Asian Americans will be examined. It pays special attention to patterns of migration, interethnic relations, gender, culture, identity formation, activism and public policy issues

0101	Deepa Iyer	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SYM 0215

AMST429J **Perspectives on Popular Culture; Social Activism and Popular Culture**

AMST429J *(PermReq)* **Perspectives on Popular Culture: Social Activism and Popular Culture; (3 credits)** Grade Method: REG/P-F/AUD.
This is a blended learning course covering topics related to social activism and popular culture both online and in the classroom. It is the first semester of the College of Arts and Humanities Social Innovation Scholars program taken in the spring, in which they will learn about social innovation and the public discourse and be paired with a mentor from a non-profit organization. There is also a summer internship and a fall course in which they will implement their innovation. Participation is by application and permission only. To enroll, students must contact the ARHU advising office in 1120 Francis Scott Key, x5-2108. AMST majors are eligible for ARHU439J only.

BL01	Sheri Parks	Seats (Total: 15)
	W 3:00pm - 5:30pm	ASY 3211
	Class time/details on ELMs	ONLINE

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Jo Paoletti	Seats (Total: 20)
	MW 10:00am - 11:15am	SQH 1103

AMST498A **Special Topics in American Studies; Border Crossings: People, Power, and Politics in Transnational Perspective**

AMST498A Special Topics in American Studies: Border Crossings: People, Power, and Politics in Transnational Perspective; (3 credits) Grade Method: REG.
Prerequisites: At least three credits hours of prior coursework in AMST. Also listed as AAST498K.

0101	Jan Padios	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1121

AMST498B **Special Topics in American Studies; Fashion and Consumer Culture in the U.S.**

AMST498B Special Topics in American Studies: Fashion and Consumer Culture in the U.S.; (3 credits) Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Jo Paoletti	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 2122

AMST498G **Special Topics in American Studies; Latinas/os on the Silver Screen**

AMST498G Special Topics in American Studies: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Robert Chester TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1117

AMST498L **Special Topics in American Studies; Native Americans and U.S. Cinema**

AMST498L Special Topics in American Studies: Native Americans and U.S. Cinema; (3 credits) Grade Method: REG.

0101	Robert Chester TuTh 9:30am - 10:45am	Seats (Total: 35) JMZ 0205

AMST603 **Current Approaches to American Studies**

AMST603 Current Approaches to American Studies; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (American Studies (Master's); American Studies (Doctoral)) . Or permission of ARHU-American Studies department; and permission of instructor. Builds on AMST601 and explores contemporary literature, theory, and intellectual issues in American Studies.

0101	Psyche Williams-Forson Tu 4:00pm - 6:40pm	Seats (Total: 15) SQH 2113

AMST628L **Seminar in American Studies; Transnational Political Economy and Cultures**

AMST628L Seminar in American Studies: Transnational Political Economy and Cultures; (3 credits) Grade Method: REG/AUD.

0101	Jan Padios W 4:00pm - 6:40pm	Seats (Total: 15) SQH 2113

AMST629N **Seminar in American Studies; Comparative Race and Ethnicity**

AMST629N Seminar in American Studies: Comparative Race and Ethnicity; (3 credits) Grade Method: REG/AUD.

0101	Perla Guerrero Th 4:00pm - 6:40pm	Seats (Total: 15) SQH 2113

AMST629Z **Seminar in American Studies; History of Investigative Journalism**

AMST629Z Seminar in American Studies: History of Investigative Journalism; (3 credits) Grade Method: REG/AUD.

0101	Mark Feldstein	Seats (Total: 10)
	M 9:00am - 11:45am	KNI 1109

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

AMST857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: AMST856; and permission of Museum Scholarship Program required. Also offered as: ANTH857, HIST811. Credit only granted for: AMST857, ANTH857, or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Spring 2014

ANSC110 **Pasture Management and Hay Production**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC110 Pasture Management and Hay Production; (2 credits) Grade Method: REG/P-F/AUD.

Credit only granted for: ANSC110 or INAG116. Identification of forage species suitable for grazing and hay production for horses and other livestock. Crop production including: fertilization and nutrient management, irrigation and drought management, grazing management, weed identification and control, facility layout and design.

0101	R Apter, Amy Burk	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ANS 1144

ANSC212 **Applied Animal Physiology**

ANSC212 Applied Animal Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC211; or students who have taken courses with comparable content may contact the department.* The physiology of domesticated animals with emphasis on functions related to homeostasis, and the physiological adaptation to environmental influences.

0101	Zhengguo Xiao, Edward Orlando MWF 1:00pm - 1:50pm	Seats (Total: 80) ANS 0408	

ANSC214 **Applied Animal Physiology Laboratory**

ANSC214 Applied Animal Physiology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in ANSC212.
Application of physiological laboratory techniques to domestic and lab animals. Students must pay a $50.00 laboratory materials fee.

0101	Zhengguo Xiao, Edward Orlando M 2:00pm - 5:00pm	Seats (Total: 24) ANS 0108	Lab
0102	Zhengguo Xiao, Edward Orlando W 2:00pm - 5:00pm	Seats (Total: 24) ANS 0108	Lab
0103	Zhengguo Xiao, Edward Orlando F 2:00pm - 5:00pm	Seats (Total: 24) ANS 0108	Lab

ANSC227 **Eating with Eyes Wide Open**

ANSC227 Eating with Eyes Wide Open; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series. Students will investigate the tension that is created by trade-offs that, knowingly or not, are made by consumers relative to agricultural production methods and dietary choices. Course will inform students about their food supply so they can make informed decisions and practice intentional or informed eating.

0101	R Apter MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 20) ANS 0408 ANS 1144	Lab

0102	R Apter MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 20) ANS 0408 ANS 1144	 Lab
0103	R Apter MW 9:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 20) ANS 0408 ANS 1144	 Lab

ANSC232 **Horse Management**

ANSC232 Horse Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC232 or ANSC332. Formerly: ANSC332.* An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 20) ANS 0408 ANS 0412	 Lab
0102	Amy Burk MW 11:00am - 11:50am F 2:00pm - 4:00pm	Seats (Total: 20) ANS 0408 ANS 0412	 Lab

ANSC235 **Applied Small Ruminant Parturition**

ANSC235 *(PermReq)* **Applied Small Ruminant Parturition; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ANSC101 and ANSC103; and permission of AGNR-Animal & Avian Sciences department. Popularly known as "Lamb Watch", the course provides an immersion environment for learning and understanding pre- and post-natal care of ewes and lambs through direct, hands-on involvement in the birthing process and care of the neonate through weaning. Covered topics include zoonoses, basic reproductive physiology of the sheep, normal and abnormal delivery, management of lambs, qualitative assessment, breeding principles, etc. Students must pay a $50.00 laboratory materials fee.

0101	Sarah Balcom W 11:00am - 11:50am M 2:00pm - 3:30pm	Seats (Total: 16) ANS 0412 Location: TBA	 Lab
0102	Sarah Balcom W 11:00am - 11:50am Th 2:00pm - 3:30pm	Seats (Total: 16) ANS 0412 Location: TBA	 Lab

ANSC237 **Equine Reproduction**

ANSC237 Equine Reproduction; (2 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC232. Credit only granted for: ANSC237 or INAG233. Additional information: Course participation will include nightly checks of mares in the two weeks prior to parturition, and out-of-class time imprinting and working with newborn foals.* Students learn the fundamental skills necessary to manage equine reproductive services including anatomy/physiology of genital tracts, estrus detection, manipulation of the estrous cycle, survey of reproductive techniques, infertility, mare, foal and stallion management. Students will be required to attend a foaling and check mares outside of regularly scheduled class time. Students must pay a $50.00 laboratory materials fee.

0101	R Apter MW 1:00pm - 1:50pm	Seats (Total: 16) ANS 1144	

ANSC250 **Companion Animal Care and Management**

ANSC250 Companion Animal Care and Management; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: BSCI105. Credit only granted for: ANSC250 and ANSC305. Formerly: ANSC305.* Care and management of the companion small animals. Species covered include the cat, dog, rodents, lagomorphs, reptiles, amphibians, birds and others as class interest and schedule dictate. Basic description, evolutionary development, breeding, nutritional and environmental requirements, and public health aspects will be presented for each species.

0101	Sarah Balcom MWF 10:00am - 10:50am	Seats (Total: 60) ANS 0408	

ANSC260 **Laboratory Animal Management**

ANSC260 Laboratory Animal Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC260 or ANSC413. Formerly: ANSC413. A comprehensive course in care and management of laboratory animals. Topics covered include regulations governing the use of animals in research, laboratory animal facility design and management, animal research models, animal health management and husbandry, responsibilities of lab animal workers and career opportunities in the field. Hands-on labs focus on lab animal handling, husbandry and common techniques. Field trips are required, and you must attend a minimum number of field trips which will be held during lab time. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black	Seats (Total: 20)	
	MW 10:00am - 10:50am F 8:00am - 12:00pm	ANS 0412 Location: TBA	Lab

ANSC262 **Commercial Poultry Management**

ANSC262 Commercial Poultry Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Theory and science of rearing poultry and marketing poultry meat and eggs in the commercial sector. Includes current issues, organization of the industry, as well as fundamental biology of the domestic chicken. Students will help raise a flock of broiler chickens. Field trips to commercial poultry operations are required.

0101	Nickolas Zimmermann	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	ANS 0402	

ANSC315 **Applied Animal Nutrition**

ANSC315 Applied Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC314. Elements of nutrition, source characteristics and adaptability of various feedstuffs to several classes of livestock. A study of the composition of feeds, nutrient requirements and computerized formulation of economic diets and rations for livestock. Students must pay a $50.00 laboratory materials fee.

0101	Richard Erdman TuTh 12:30pm - 1:45pm Th 8:00am - 8:50am	Seats (Total: 20) ANS 0408 ANS 0402	 Discussion
0102	Richard Erdman TuTh 12:30pm - 1:45pm Th 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0402	 Discussion
0103	Richard Erdman TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 20) ANS 0408 ANS 0402	 Discussion

ANSC327 **Molecular and Quantitative Animal Genetics**

ANSC327 Molecular and Quantitative Animal Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, CHEM131, ANSC103, and BSCI105. Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Iqbal Hamza, Jiuzhou Song TuTh 11:00am - 12:15pm	Seats (Total: 70) ANS 0408	

ANSC340 **Health Management of Animal Populations**

ANSC340 Health Management of Animal Populations; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: BSCI223; and (ANSC220, ANSC232, ANSC242, ANSC250, ANSC255, ANSC260, or ANSC262). Recommended: ANSC212. Credit only granted for: ANSC340 or ANSC412. Formerly: ANSC412. A study of common and emerging animal diseases and their prevention and control. The main focus will be on livestock and poultry diseases. However, zoonotic, wildlife, and laboratory animal diseases will also be discussed along with risk assessment, bioterrorism counter-measures, and animal welfare, especially as these topics interface or impact animals used in food production.

0101	Sarah Balcom TuTh 9:30am - 10:45am	Seats (Total: 45) ANS 0408	

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ANSC388 **Honors Thesis Research**

ANSC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

4501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC420 **Critical Thinking in Animal Science**

ANSC420 Critical Thinking in Animal Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANSC314. Recommended: AREC306 and AREC250. Restriction: Junior standing or higher. Employ methods to systematically solve selected problems that typically arise on farms or allied businesses related to animal enterprises.

0101	Amy Burk, Robert Peters W 1:00pm - 5:00pm	Seats (Total: 24) ANS 0412

ANSC435 **Experimental Embryology**

ANSC435 Experimental Embryology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANSC212. Recommended: Completion of one course in reproductive physiology is recommended. Credit only granted for: ANSC435 or ANSC489M. Formerly: ANSC489M. Experimental approaches to mammalian embryology with emphasis on domestic livestock systems as applied to research and production systems. Lab will include hands-on experiments and demos of in vitro embryo production, embryo splitting, cell injection and nuclear transfer. Students must pay a $50.00 laboratory materials fee.

0101	Carol Keefer	Seats (Total: 20)	
	Tu 2:00pm - 3:15pm	ANS 0108	
	Th 2:00pm - 5:00pm	ANS 0108	Lab

ANSC443 **Physiology of Lactation**

ANSC443 Physiology of Lactation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM231, ANSC212, and CHEM232. Recommended: BCHM463. A comprehensive survey of lactation in laboratory and domestic animals. Other species are discussed where possible. Emphasis will be placed on physiological aspects of milk synthesis and secretion and on the cellular and molecular biology of mammary gland development.

0101	Kasey Moyes	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	ANS 0412

ANSC453 **Animal Welfare and Bioethics**

ANSC453 Animal Welfare and Bioethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103; or BSCI106; or permission of instructor. Restriction: Junior standing or higher. Ethical concerns related to the use of animals in modern society. Historical and philosophical overview of animal welfare and bioethics. Applied ethical discussions on human/animal interrelationships, physical and genetic manipulation, and other current issues associated with the treatment of animals used in food production, research, zoos, and as pets.

0101	William Stricklin	Seats (Total: 65)
	MW 4:00pm - 5:15pm	SYM 0200

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489O **Current Topics in Animal Science; Nutritional Aspects of Metabolic Disease**

ANSC489O Current Topics in Animal Science: Nutritional Aspects of Metabolic Disease; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, CHEM131, and BSCI105 or equivalent. Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat, carbohydrate, energy, minerals, and vitamins and their roles and interrelationships in nutrition, metabolism, and diseases in humans and animals. The course will use recommended texts for foundation.

0101	Byung-Eun Kim	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0402

ANSC489R **Current Topics in Animal Science; Zoonotic Diseases and Control**

ANSC489R Current Topics in Animal Science: Zoonotic Diseases and Control; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI223; recommended NFSC430; or permission of instructor. Lectures will take a global perspective of foodborne diseases common to animals and man, specifically those caused by farm animal-originated human pathogens (zoonoses) and their control. A selection of important zoonoses and food safety issues will be specifically covered with an emphasis on the principles of zoonotic disease transmission and control, risk factors to humans, and surveillance mehtods.

0101	Debabrata Biswas	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ANS 0412

ANSC627 **Molecular and Quantitative Genetics**

ANSC627 Molecular and Quantitative Genetics; (3 credits) Grade Method: REG/AUD.
Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Jiuzhou Song, Iqbal Hamza	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0408

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688J **Special Topics; Zoonotic Diseases and Control**

ANSC688J Special Topics: Zoonotic Diseases and Control; (3 credits) Grade Method: REG/AUD.
Prerequisites: BSCI223; recommended NFSC430; or permission of instructor.
Lectures will take a global perspective of foodborne diseases common to animals and man, specifically those caused by farm animal-originated human pathogens (zoonoses) and their control. A selection of important zoonoses and food safety issues will be specifically covered with an emphasis on the principles of zoonotic disease transmission and control, risk factors to humans, and surveillance mehtods.

0101	Debabrata Biswas	Seats (Total: 10)
	TuTh 9:30am - 10:45am	ANS 0412

ANSC688O **Special Topics; Nutritional Aspects of Metabolic Disease**

ANSC688O Special Topics: Nutritional Aspects of Metabolic Disease; (3 credits) Grade Method: REG/AUD.
Prequisite: ANSC101, CHEM131, and BSCI105 or equivalent. Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat, carbohydrate, energy, minerals, and vitamins and their roles and interrelationships in nutrition, metabolism, and diseases in humans and animals. The course will use recommended texts for foundation.

0101	Byung-Eun Kim	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0402

ANSC688P **Special Topics; Protein Nutrition and Metabolism**

ANSC688P Special Topics: Protein Nutrition and Metabolism; (3 credits) Grade Method: REG/AUD.

0101	Brian Bequette	Seats (Total: 15)
	MW 1:00pm - 2:15pm	ANS 0402

ANSC688W **Special Topics; Advanced Animal Welfare**

ANSC688W Special Topics: Advanced Animal Welfare; (1-4 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 6)
	MW 4:00pm - 5:15pm	SYM 0200

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.

0101	Tom Porter	Seats (Total: 30)
	Tu 3:30pm - 5:30pm	ANS 0408

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Spring 2014

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

ANTH222 Introduction to Ecological and Evolutionary Anthropology; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab. *Credit only granted for: ANTH220 or ANTH222.* An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

0101	L Jen Shaffer	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	JMZ 0220	
	M 8:00am - 10:00am	WDS 0124C	Lab

0102	L Jen Shaffer TuTh 9:30am - 10:45am M 11:00am - 1:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab
0103	L Jen Shaffer TuTh 9:30am - 10:45am M 2:00pm - 4:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab
0104	L Jen Shaffer TuTh 9:30am - 10:45am W 8:00am - 10:00am	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab
0105	L Jen Shaffer TuTh 9:30am - 10:45am W 11:00am - 1:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab
0106	L Jen Shaffer TuTh 9:30am - 10:45am W 2:00pm - 4:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	George Hambrecht TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 2106 WDS 0104	Discussion
0102	George Hambrecht TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2106 KEY 0123	Discussion
0103	George Hambrecht TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 KEY 0123	Discussion

0201	Stephen Brighton TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 SKN 1115	Discussion
0202	Stephen Brighton TuTh 3:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 25) MMH 1400 SKN 1115	Discussion
0203	Stephen Brighton TuTh 3:00pm - 3:50pm F 3:00pm - 3:50pm	Seats (Total: 25) MMH 1400 SKN 1115	Discussion

ANTH241 **Controversies in Archaeology**

ANTH241 Controversies in Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: ANTH298B or ANTH241. Formerly: ANTH298B.
Archaeologists, scholars who study the cultures of previous times, are continually asked to evaluate the evidence for competing stories about the past. This shows how archaeologists use a critical lens and rigorous methods to assess these claims. Students will learn how the archaeological record is formed and transformed, how archaeologists date sites and objects, how they understand ancient environments, and how they can uncover gender, ethnicity, and nationality in artifactual remains.

0101	Elizabeth Pruitt TuTh 12:30pm - 1:45pm	Seats (Total: 35) LEF 2208	

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0102	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0103	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 WDS 1127	Discussion
0104	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 WDS 1131	Discussion
0105	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 WDS 0104	Discussion
0106	Thurka Sangaramoorthy TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 WDS 1131	Discussion

ANTH265 **Anthropology of Global Health**

ANTH265 Anthropology of Global Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.

0101	Thurka Sangaramoorthy TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 20) WDS 1114 PLS 1158	Discussion

0102	Thurka Sangaramoorthy TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) WDS 1114 PLS 1158	 Discussion
0103	Thurka Sangaramoorthy TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 20) WDS 1114 PLS 1158	 Discussion

ANTH266 **Changing Climate, Changing Cultures**

ANTH266 Changing Climate, Changing Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency; Signature Courses - I-Series.
Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

0101	L Jen Shaffer TuTh 11:00am - 12:15pm	Seats (Total: 60) SQH 1119

ANTH298C **Special Topics in Anthropology; Culture and Environment**

ANTH298C Special Topics in Anthropology: Culture and Environment; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Stuart MW 9:00am - 10:15am	Seats (Total: 35) WDS 1114

ANTH298D **Special Topics in Anthropology; Introduction to Zooarchaeology**

ANTH298D Special Topics in Anthropology: Introduction to Zooarchaeology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice.
Click here for more course information.

0101	George Hambrecht TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 0124C

ANTH340 **Method and Theory in Archaeology**

ANTH340 Method and Theory in Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department. Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

0101	Matthew Palus	Seats (Total: 35)
	W 3:00pm - 5:45pm	WDS 1114

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101	William Stuart	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398B **Independent Study; Modern Tribes of Rome**
Contact department for information to register for this course.

ANTH398C **Independent Study; The Mediterranean World**
Contact department for information to register for this course.

ANTH398E **Independent Study; Bodies and Burials**
Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398I **Independent Study; Great Kingdoms of Ancient Near East**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 20)
	Contact instructor or department for details.	

ANTH398T **Independent Study; Proseminar-Capstone Thesis**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 20)
	Contact instructor or department for details.	

ANTH428R **Special Topics in Bioanthropology; Race and Ethnicity**

ANTH428R Special Topics in Bioanthropology: Race and Ethnicity; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2011 BMGT- Shady Grove cohort students majoring in Management. This course is by permission only for students who need a diversity course. Other students may request enrollment on a space available basis.

SG91	Susan Steen	Seats (Total: 40)
	Tu 2:00pm - 4:40pm	Location: TBA
	Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2012 BMGT-Shady Grove cohort students majoring in Management. This course is by permission only for students who need a diversity course. Other students may request enrollment on a space available basis.	

ANTH429A **Advanced Special Topics in Biological Anthropology; Plagues, Pathogens, and Public Policy**

ANTH429A Advanced Special Topics in Biological Anthropology: Plagues, Pathogens, and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Marilyn London M 2:00pm - 4:50pm	Seats (Total: 40) BLD3 4226
	Limited to BSCI Shady Grove majors or by permission of the Anthropology department.	
SG92	Marilyn London M 9:30am - 12:00pm	Seats (Total: 39) Location: TBA
	Limited to CCJS students at Shady Grove or by permission of the Anthropology department.	

ANTH447 **Material Culture Studies in Archaeology**

ANTH447 Material Culture Studies in Archaeology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANTH240. Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH448C. An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton TuTh 12:30pm - 1:45pm	Seats (Total: 20) WDS 0104

ANTH448P **Special Topics in Archaeology; Anthropological Theories of the Past**

ANTH448P Special Topics in Archaeology: Anthropological Theories of the Past; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH 740. Prerequisite: ANTH240. Click here for more course information.

0101	Mark Leone Tu 3:00pm - 5:40pm	Seats (Total: 15) WDS 1130

ANTH468F **Special Topics in Cultural Anthropology; Introduction to Native American Cultures of the United States**

ANTH468F Special Topics in Cultural Anthropology: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD. Also offered as AMST328N and RELS319N. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N. Click here for more course information.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

ANTH468I **Special Topics in Cultural Anthropology; Langauge as Practice**

ANTH468I Special Topics in Cultural Anthropology: Langauge as Practice; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Click here for more course information.

0101	Janet Chernela	Seats (Total: 30)
	M 2:00pm - 4:45pm	WDS 1114

ANTH468L **Special Topics in Cultural Anthropology; Conservation and Indigenous Peoples in South America**

ANTH468L Special Topics in Cultural Anthropology: Conservation and Indigenous Peoples in South America; (3 credits) Grade Method: REG/P-F/AUD. Also offered as LASC448L. Credit granted for ANTH468L, LASC448L, or ANTH688L. Click here for more course information.

0101	Janet Chernela	Seats (Total: 20)
	M 6:00pm - 8:45pm	WDS 1114

ANTH468T **Special Topics in Cultural Anthropology; Globalization of Hatred**

ANTH468T Special Topics in Cultural Anthropology: Globalization of Hatred; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Stuart	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	WDS 0104

ANTH469M **Advanced Special Topics in Cultural Anthropology; Culture, Society and Mental Health**

ANTH469M Advanced Special Topics in Cultural Anthropology: Culture, Society and Mental Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Theresa Pham	Seats (Total: 20)
	Tu 3:00pm - 5:45pm	WDS 1114

ANTH469P **Advanced Special Topics in Cultural Anthropology; Culture, Cognition, and Environment**

ANTH469P Advanced Special Topics in Cultural Anthropology: Culture, Cognition, and Environment; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: junior standing or higher. Click here for more course information.

0101	Michael Paolisso	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	WDS 1131

ANTH472 **Medical Anthropology**

ANTH472 Medical Anthropology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANTH472; or permission of BSOS-Anthropology department. Credit only granted for: ANTH472, ANTH468, ANTH672, or ANTH688L. Formerly: ANTH468L.* An exploration of the cultural, social, economic and political dimensions of health, disease, and illness. These dimensions will be examined through both the health-seeker's and the care-provider's perspectives.

0101	Tanya Abraham, Judith Freidenberg	Seats (Total: 20)
	M 6:00pm - 8:40pm	WDS 0104

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH491 **Applied Urban Ethnography**

ANTH491 Applied Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANTH260. Also offered as: ANTH617. Credit only granted for: ANTH468B, ANTH491, or ANTH617. Formerly: ANTH468B. The focus is on the use of applied ethnographic field methods in community assessment research in urban settings. Also, it will extend beyond most ethnographic training in which the emphasis is on being there, and relying predominantly on the classical ethnographic methods of recursive observations, participant observations, and a variety of approaches to interviewing.

0101	Tony Whitehead Th 6:00pm - 8:40pm	Seats (Total: 20) WDS 1114

ANTH492 **Ethnology of Immigrant Life**

ANTH492 Ethnology of Immigrant Life; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.
Credit only granted for: ANTH498N or ANTH492. Formerly: ANTH498N. Explores social issues affecting local immigrant populations through readings, research and service learning. Theorizing immigration as a social policy issue in the U.S. culture, students learn about the specific contributions that anthropology has made to the understanding of immigration: globalization on the one hand, and the context of daily life in local neighborhoods on the other.

0101	Judith Freidenberg Th 3:00pm - 5:40pm Contact instructor or department for details.	Seats (Total: 15) WDS 1130

ANTH498C **Advanced Field Training in Ethnography; Service Learning for Applied Urban Ethnography**

ANTH498C Advanced Field Training in Ethnography: Service Learning for Applied Urban Ethnography; (1 credit) Grade Method: REG/P-F/AUD.
Requires 4 hours/week of off-campus service learning. Can only be taken concurrently with ANTH491 or ANTH617. Click here for more course information.

0101	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)

ANTH498I **Advanced Field Training in Ethnography; Experiential Learning in Community Health Anthropology**

ANTH498I Advanced Field Training in Ethnography: Experiential Learning in Community Health Anthropology; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Tony Whitehead	Seats (Total: 10)
	Th 4:00pm - 5:30pm	WDS 1114

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Also offered as: ANTH491. Credit only granted for: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood.

0101	Tony Whitehead	Seats (Total: 10)
	Th 6:00pm - 8:40pm	WDS 1114

ANTH630 **Quantification and Statistics in Applied Anthropology**

ANTH630 Quantification and Statistics in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An intensive overview of key quantitative and statistical approaches used by social scientists in applied ad policy research. This includes nonparametric and parametric statistical approaches. Students utilize statistical software and analyze existing and student-created databases. Anthropological case studies are emphasized.

0101	Sean Downey	Seats (Total: 20)
	W 5:00pm - 7:40pm	WDS 0104

ANTH647 **Advanced Material Culture Studies in Archaeology**

ANTH647 Advanced Material Culture Studies in Archaeology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH689C. An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

0101	Stephen Brighton	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	WDS 0104

ANTH672 **Advanced Studies in Medical Anthropology**

ANTH672 Advanced Studies in Medical Anthropology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ANTH472, ANTH468L, ANTH672, or ANTH688L. Formerly: ANTH688L. An exploration of the cultural, social, economic and political dimensions of health, disease, and illness. These dimensions will be examined through both the health-seeker's and the care-provider's perspectives.

0101	Tanya Abraham, Judith Freidenberg	Seats (Total: 10)
	M 6:00pm - 8:40pm	WDS 0104

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688I **Current Developments in Anthropology; Language as Practice**

ANTH688I Current Developments in Anthropology: Language as Practice; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Janet Chernela	Seats (Total: 10)
	M 2:00pm - 4:45pm	WDS 1114

ANTH688L **Current Developments in Anthropology; Conservation and Indigenous Peoples in Latin America**

ANTH688L Current Developments in Anthropology: Conservation and Indigenous Peoples in Latin America; (3 credits) Grade Method: REG/AUD. Credit granted for ANTH468L, LASC448L, or ANTH688L. Click here for more course information.

0101	Janet Chernela M 6:00pm - 8:45pm	Seats (Total: 5) WDS 1114

ANTH688M **Current Developments in Anthropology; Placing History: Learning to Research and Write a National Historic Landmark Nomination**

ANTH688M Current Developments in Anthropology: Placing History: Learning to Research and Write a National Historic Landmark Nomination; (3 credits) Grade Method: REG/AUD.
Also offered as HIST619M. Credit granted for HIST619M or ANTH688M.

0101	Alexandra Lord Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689O **Special Problems in Anthropology; Experiential Learning in Community Health Anthropology**

ANTH689O Special Problems in Anthropology: Experiential Learning in Community Health Anthropology; (1 credit) Grade Method: REG/S-F.
Click here for more course information.

0101	Tony Whitehead Th 4:00pm - 5:30pm	Seats (Total: 10) WDS 1114

ANTH689P **Special Problems in Anthropology; Culture, Cognition, and Environment**

ANTH689P Special Problems in Anthropology: Culture, Cognition, and Environment; (3 credits) Grade Method: REG/S-F.
Click here for more course information.

0101	Michael Paolisso	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	WDS 1131

ANTH692 **Ethnology of Immigrant Life**

ANTH692 Ethnology of Immigrant Life; (4 credits) Grade Method: REG/AUD. *Credit only granted for: ANTH689N or ANTH692. Formerly: ANTH689N.* Explores social issues affecting local immigrant populations through readings, research and service learning. Theorizing immigration as a social policy issue in the U.S. culture, students learn about the specific contributions that anthropology has made to the understanding of immigration: globalization on the one hand, and the context of daily life in local neighborhoods on the other.

0101	Judith Freidenberg	Seats (Total: 5)
	Th 3:00pm - 5:40pm Contact instructor or department for details.	WDS 1130

ANTH701 **Anthropology Internship Preparation**

ANTH701 Anthropology Internship Preparation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH722 **Ecological Anthropology**

ANTH722 Ecological Anthropology; (3 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Anthropology (Doctoral); Anthropology (Master's)). Credit only granted for: ANTH720 or ANTH722. An overview of important approaches to ecological anthropology. Population, systems, community, political, behavioral and evolutionary ecology will be examined as they have been applied to a range of anthropological questions. Complexity theory (nonlinear dynamics) and topics in game theory will also be addressed. Students will map the field of ecological anthropology and to assess the strengths and weaknesses of contemporary approaches, methods and theories.

0101	Sean Downey	Seats (Total: 15)
	Th 5:00pm - 7:40pm	TLF 1103

ANTH740 **Theories of the Past and Accomplishments of Archaeology**

ANTH740 Theories of the Past and Accomplishments of Archaeology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ANTH689P or ANTH740. Formerly: ANTH689P. The primary purpose is to highlight some of the key achievements made by archaeologists in informing questions of interest to society from 1850 on. Key achievements include how archaeologists understand elements of the past thought to be central to the development of modern socieity. A secondary purpose is to introduce students to the theories used to understand the place of the past in society and the function of answers to questions thought central to modern social life. Also offered as ANTH448P.

0101	Mark Leone	Seats (Total: 15)
	Tu 3:00pm - 5:40pm	WDS 1130

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH857 **Museum Scholarship Practicum**

ANTH857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: HIST811, AMST857. Credit only granted for: ANTH857, AMST857, or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Instructor: TBA	Seats (Total: 2)
	Contact instructor or department for details.	

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Spring 2014

AOSC123 **Causes and Implications of Global Change**

AOSC123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Also offered as: GEOL123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123. Formerly: METO123. Responsible policy and decision making on issues related to the global environment requires understanding of the basic scientific issues, relationships between the geophysical and biological sciences, the impacts on regional and global endeavors, and the political manner in which humans respond. This course embodies an integrated introduction to the broad scientific and social aspects of the global change problem.

0101	Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 CSS 2416	Discussion
0102	Rachel Pinker MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 CSS 2416	Discussion
0103	Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 CSS 2428	Discussion
0104	Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion
0105	Rachel Pinker MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion
0106	Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 PLS 1172	Discussion

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Science Lab(if taken with AOSC201) or Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Prerequisite: MATH110 or MATH115. Recommended: Concurrent enrollment in AOSC201. Formerly: METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/ Click here for more Marquee course information.

0101	Timothy Canty TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0102	Timothy Canty TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0103	Timothy Canty TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0104	Timothy Canty TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2416	Discussion
0201	Timothy Canty TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 SPH 0308	Discussion
0202	Timothy Canty TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 2428	Discussion
0203	Instructor: TBA TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2416	Discussion

0204	Instructor: TBA TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	 Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: AOSC200. Formerly: METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling.

0101	Neal Graham M 2:00pm - 3:50pm	Seats (Total: 25) CSS 3426	 Lab
0102	Gina Mazzuca W 8:00am - 9:50am	Seats (Total: 25) CSS 3426	 Lab
0103	Instructor: TBA F 8:00am - 9:50am	Seats (Total: 24) CSS 3426	 Lab
0104	Virginia Sawyer M 8:00am - 9:50am	Seats (Total: 24) CSS 3426	 Lab
0105	Travis Sluka M 9:00am - 10:50am	Seats (Total: 25) CSS 3400	 Lab
0106	Cory Martin F 2:00pm - 3:50pm	Seats (Total: 25) CSS 3426	 Lab
0107	Neal Graham Tu 11:00am - 12:50pm	Seats (Total: 25) CSS 3426	 Lab
0108	Instructor: TBA W 12:00pm - 1:50pm	Seats (Total: 25) CSS 3426	 Lab

AOSC347 **Computing and Data Analysis: Deciphering Climate Change Clues**

AOSC347 Computing and Data Analysis: Deciphering Climate Change Clues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Credit only granted for: AOSC347 or AOSC358L. Formerly: AOSC358L. A comprehensive introductory course designed to prepare students to identify, interpret, and visualize Earth's climate variations observed in the past and projected into the future. The class emphasizes real-world applications, providing students with essential hands-on experience using MATLAB for data analysis and visualization, developing analytical skills for observational and modeling data, and performing virtual experiments to distinguish data contributing factors. Students will gain an understanding of the scientific issues concerning the modern global warming debate on detection and attribution including: signal vs noise, trend vs periodicity, natural vs anthropogenic forcing, local vs remote response, mean vs extreme changes, and accuracy vs uncertainty.

0101	Xin-Zhong Liang	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSS 3426

AOSC401 **Climate Dynamics and Earth System Science**

AOSC401 Climate Dynamics and Earth System Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC400 or AOSC200; or permission of instructor. Formerly: METO401. The global weather and climate system; the natural variability of the atmosphere-ocean-biosphere; carbon cycle and biogeochemistry. Potential human effects: greenhouse effects, deforestation, acid rain, ozone depletion, nuclear winter. Social, political and economic effects of changes in global environment. Policy options.

0101	Zhanqing Li	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CSS 2428

AOSC424 **Remote Sensing of the Atmosphere and Ocean**

AOSC424 Remote Sensing of the Atmosphere and Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141); or permission of instructor. Many of the properties of the atmosphere, ocean, and land surface are most easily observed from satellite remote sensing. This course will provide students with a hands-on introduction to a variety of passive and active sensing techniques and sensors observing our changing environment. Topics include: orbital dynamics and electromagnetic properties of the atmosphere and surface; atmospheric emission characteristics and scattering; chemical composition and spectroscopy; temperature retrievals; detection and retrieval of aerosol, cloud and rain; ocean surface properties; sea surface temperature and color; active sensing of wind stress, sea level, and internal waves; time-dependent gravity; properties of vegetation and ice.

0101	Zhanqing Li MW 2:00pm - 3:15pm	Seats (Total: 25) CSS 2416

AOSC432 **Large Scale Atmospheric Dynamics**

AOSC432 Large Scale Atmospheric Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC431. Corequisite: MATH246. Credit only granted for: AOSC432, METO432, or AOSC632. Formerly: METO432. Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Geostrophic/balanced and ageostrphic/unbalanced motion. Circulation, vorticity, and potential vorticity. Introduction to the boundary layer.

0101	Kayo Ide TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 2416
AM01	Kayo Ide TuTh 9:30am - 10:45am	Seats (Total: 5) CSS 2416

AOSC434 **Air Pollution**

AOSC434 Air Pollution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241; or permission of CMNS-Atmospheric & Oceanic Science department. Formerly: METO434. Production, transformation, transport and removal of air pollutants. The problems of photochemical smog, the greenhouse effect, stratospheric ozone, acid rain and visibility. Analytical techniques for gases and particles.

0101	Russell Dickerson TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSS 2428

AOSC458A **Advanced Topics in Atmospheric and Oceanic Science; Earth, Life, and Sustainability**

AOSC458A Advanced Topics in Atmospheric and Oceanic Science: Earth, Life, and Sustainability; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH240, PHYS161, GEOL/GEOG/AOSC123, AOSC/GEOL375, or permission of instructor. Evolution of Earth, life and climate. Fundamentals of Energy, Water, and Carbon Cycles are essential for understanding evolution of unicellular to multicellular life and the evolution of humans as the most cooperative species. These will be examined to provide the context for the impact of human activity on the functioning of the Earth System and the need for for sustainability. We will also examine the measure of sustainability. We will also examine the measure of sustainability and gender and culture specific issues in implementing sustainability.

0101	Raghu Murtugudde MW 11:00am - 12:30pm	Seats (Total: 20) EGR 3102
AM01	Raghu Murtugudde MW 11:00am - 12:30pm	Seats (Total: 5) EGR 3102

AOSC494 **Atmospheric and Oceanic Science Seminar**

AOSC494 Atmospheric and Oceanic Science Seminar; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Exposure to a wide range of contemporary topics in atmospheric, oceanic, and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

0101	Dale Allen Th 3:30pm - 4:30pm	Seats (Total: 20) CSS 2400

AOSC498 **Senior Research Project II**

AOSC498 Senior Research Project II; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC611 **Dynamics of the Atmosphere and Oceans II**

AOSC611 Dynamics of the Atmosphere and Oceans II; (3 credits) Grade Method: REG/AUD.
Formerly: METO611. Waves and instabilities in the atmosphere and the ocean. Gravity, Rossby, coastal and equatorial waves. Flow over topography. Dynamic instabilities including barotropic, baroclinic, inertial, and instabilities of the coupled ocean-atmosphere system. Stationary waves and multiple equilibria.

0101	Da-Lin Zhang MWF 11:00am - 11:50am	Seats (Total: 25) CSS 2416
AM01	Da-Lin Zhang MWF 11:00am - 11:50am	Seats (Total: 5) CSS 2416

AOSC617 **Atmospheric and Oceanic Climate**

AOSC617 Atmospheric and Oceanic Climate; (3 credits) Grade Method: REG/AUD.
Prerequisite: AOSC610; or permission of instructor. Formerly: METO617. The general circulation of the atmosphere and oceans, historical perspective, observations, and conceptual models; wind-driven and thermohaline circulation of the oceans. Seasonal cycle and monsoon circulations; interannual to interdecadal climate variability; climate change.

0101	Sumant Nigam MW 9:30am - 10:45am	Seats (Total: 25) CSS 2416
AM01	Sumant Nigam MW 9:30am - 10:45am	Seats (Total: 5) CSS 2416

AOSC621 **Physics and Chemistry of the Atmosphere II**

AOSC621 Physics and Chemistry of the Atmosphere II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH462; or students who have taken courses with comparable content may contact the department. Formerly: METO621. Spectroscopy; basic concepts in radiative transfer and atmospheric chemistry; photolysis rates for atmospheric molecules.

0101	Xin-Zhong Liang TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 3426
AM01	Xin-Zhong Liang TuTh 9:30am - 10:45am	Seats (Total: 5) CSS 3426

AOSC624 **Remote Sensing of Surface Climate**

AOSC624 Remote Sensing of Surface Climate; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH240 and MATH241. The theory and principles of remote sensing as applicable to earth observing satellites. Discussed will be current methods to interpret satellite observations into useful climate parameters. Emphasis will be placed on parameters that provide information about the climate close to the earth surface, and that can be inferred on regional to global scales. Examples are: surface temperature and reflectivity, radiation budgets, soil moisture, and vegetation cover.

0101	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 25) CSS 3425
AM01	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 5) CSS 3425

AOSC630 **Statistical Methods in Meteorology and Oceanography**

AOSC630 Statistical Methods in Meteorology and Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: STAT400; or students who have taken courses with comparable content may contact the department. Formerly: METO630. Parametric and non-parametric tests; time series analysis and filtering; wavelets. Multiple regression and screening; neural networks. Empirical orthogonal functions and teleconnections. Statistical weather and climate prediction, including MOS, constructed analogs. Ensemble forecasting and verification.

0101	Eugenia Kalnay W 12:00pm - 1:00pm W 1:00pm - 2:30pm	Seats (Total: 15) CSS 3400 CSS 3400

AOSC658E **Special Topics in Meteorology; Data Assimulation**

AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC658F **Special Topics in Meteorology; Sustainability Modeling**

AOSC658F Special Topics in Meteorology: Sustainability Modeling; (3 credits)
Grade Method: REG/AUD.
For students concerned with sustainability issues, have little or no background in computational modeling, but would like to understand what modeling can do to help solve sustainability problems. Explores a variety of contemporary societal issues (e.g., water scarcity, biodiversity loss, energy dependence), and modeling approaches for simulating and quantitatively understanding sustainability variables, and designing appropriate policy measures that can be implemented as a response to such issues. A general modeling framework is developed using systems dynamics theory. Lectures will be complemented with discussion sessions and real-world based modeling exercises to get hands-on knowledge of practical solutions to sustainability challenges. This course will be taught online, meeting live once a week. All lectures will be recorded and posted online on a class dedicated web site, as well as a class Facebook page.

0101	Fernando Miralles-Wilhelm Class time/details on ELMs	Seats (Total: 20) ONLINE
AM01	Fernando Miralles-Wilhelm Class time/details on ELMs	Seats (Total: 5) ONLINE

AOSC684 **Climate System Modeling**

AOSC684 Climate System Modeling; (3 credits) Grade Method: REG/AUD.
Fundamentals in building computer models to simulate the components of the climate system: atmosphere, ocean ice, land-surface, terrestrial and marine ecosystems, and the biogeochemical cycles embedded in the physical climate system, in particular, the carbon cycle. Simple to state-of-the-art research models to tackle problems such as the Daisy World, El Nino and global warming.

0101	Ning Zeng M 2:30pm - 5:05pm	Seats (Total: 25) CSS 2428
AM01	Ning Zeng M 2:30pm - 5:05pm	Seats (Total: 5) CSS 2428

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit) Grade Method: S-F.

0101	Derrick Lampkin	Seats (Total: 5)
	TuTh 3:30pm - 4:30pm	Location: TBA

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Spring 2014

ARAB101 **Elementary Arabic I**
Contact department for information to register for this course.

ARAB105 **Elementary Modern Standard Arabic III-IV**

ARAB105 Elementary Modern Standard Arabic III-IV; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB104; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic. Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Zein El-Amine MWF 10:00am - 11:50am	Seats (Total: 15) SQH 1111
0201	Instructor: TBA MWF 10:00am - 11:50am	Seats (Total: 15) SQH 1123
0301	Dina El-Hefnawy MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 1123
0401	Lutf Alkebsi MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 1111

ARAB205 **Intermediate Modern Standard Arabic II**

ARAB205 Intermediate Modern Standard Arabic II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB204; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic. Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

0101	Zein El-Amine MWF 12:00pm - 1:50pm	Seats (Total: 15) SQH 2117
0201	Peter Glanville MWF 10:00am - 11:50am	Seats (Total: 15) SQH 2120

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB206; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic. Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

0101	Dina El-Hefnawy	Seats (Total: 15)
	MWF 10:00am - 10:50am	SQH 2122

ARAB298 **Special Topics in Arabic Studies; Independent Study**

ARAB298 *(PermReq)* **Special Topics in Arabic Studies: Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB298D **Special Topics in Arabic Studies; Arabic Calligraphy and Culture**

ARAB298D *(PermReq)* **Special Topics in Arabic Studies: Arabic Calligraphy and Culture; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to students in the Flagship program.

0101	Lutf Alkebsi	Seats (Total: 15)
	Contact instructor or department for details.	

ARAB298R **Special Topics in Arabic Studies; Arab Cinema - Breaking the Taboos**

ARAB298R Special Topics in Arabic Studies: Arab Cinema - Breaking the Taboos; (3 credits) Grade Method: REG/P-F/AUD.
Taught in English.

0101	Sayed Elsisi	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2207

ARAB305 **Advanced Modern Standard Arabic II**

ARAB305 Advanced Modern Standard Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic. Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

0101	Dina El-Hefnawy TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 10) SQH 1123 SQH 1123	 Lab
0201	Lutf Alkebsi MW 3:00pm - 4:15pm F 3:00pm - 3:50pm	Seats (Total: 10) SQH 1123 SQH 1123	 Lab

ARAB398A **Special Topics in Arabic Studies; The Arabian Gulf**

ARAB398A Special Topics in Arabic Studies: The Arabian Gulf; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB 304. Not open to fluent or native speakers, or students who have completed ARAB305.

0101	Lutf Alkebsi MWF 11:00am - 11:50am	Seats (Total: 15) SQH 2121

ARAB398F **Special Topics in Arabic Studies; The Arab-Israeli Conflict through Film**

ARAB398F Special Topics in Arabic Studies: The Arab-Israeli Conflict through Film; (3 credits) Grade Method: REG/P-F/AUD.
How does the Arab-Israeli Conflict represent itself? How do the actors within this conflict (and some from outside) come to understand this conflict by representing it to themselves? The prism of film will touch on many of the various discourses (history, society, culture). The course will investigate whether the medium of film represents and formulates this Conflict in a particular way. Taught in English.

0101	Eric Zakim, Valerie Anishchenkova M 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 25) SQH 1121 SQH 1121

ARAB399 **Independent Study In Arabic**

ARAB399 *(PermReq)* **Independent Study In Arabic; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

Contact department for information to register for this course.

ARAB402 **Arabic English Translation**

ARAB402 *(PermReq)* **Arabic English Translation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic.
In-depth practicum in translation from Arabic to English. Exploration of the complexities of translation as an exercise of textual interpretation and linguistic transformation.

0101	Alaa Elgibali	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1215

ARAB499G **Special Topics in Arabic Studies; Folklore and Modernism in Arabic Film and Literature**

ARAB499G *(PermReq)* **Special Topics in Arabic Studies: Folklore and Modernism in Arabic Film and Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305 and permission of department. Taught in Arabic.

0101	Sayed Elsisi	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 2125

ARAB499T **Special Topics in Arabic Studies; Contemporary Arab Political Thought**

ARAB499T *(PermReq)* **Special Topics in Arabic Studies: Contemporary Arab Political Thought; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305 and permission of department.

0101	Alaa Elgibali	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2117

ARCH Architecture Spring 2014

ARCH101 **Foundations in Architecture**

ARCH101 Foundations in Architecture; (1 credit) Grade Method: REG/P-F. *Prerequisite: UNIV100; or permission of ARCH-Architecture Program. Restriction: Freshman standing.* To pursue any field of knowledge one must first begin with the basics. By learning the "language" of architecture one can explore the foundations of the architectural profession through interactive and experiential learning.

0401	Erica Aronson, Marisa Allen, David Leestma Th 4:00pm - 5:50pm	Seats (Total: 18) ARC 1101	
0501	David Leestma, Marisa Allen, Erica Aronson W 11:00am - 12:50pm	Seats (Total: 18) ARC 1111	

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

BL01	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 ARC 1101	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL02	Luis Diego Quiros Pacheco MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 ARC 1101	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL03	Luis Diego Quiros Pacheco MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 ARC 1101	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		

BL04	Luis Diego Quiros Pacheco	Seats (Total: 22)	
	MW 10:00am - 10:50am Th 2:00pm - 2:50pm	ARC 0204 ARC 1103	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL06	Luis Diego Quiros Pacheco	Seats (Total: 19)	
	MW 10:00am - 10:50am F 10:00am - 10:50am	ARC 0204 ARC 1127	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL07	Luis Diego Quiros Pacheco	Seats (Total: 22)	
	MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	ARC 0204 ARC 1103	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL08	Luis Diego Quiros Pacheco	Seats (Total: 22)	
	MW 10:00am - 10:50am W 1:00pm - 1:50pm	ARC 0204 ARC 1103	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL09	Luis Diego Quiros Pacheco	Seats (Total: 22)	
	MW 10:00am - 10:50am M 12:00pm - 12:50pm	ARC 0204 ARC 1101	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL12	Luis Diego Quiros Pacheco	Seats (Total: 22)	
	MW 10:00am - 10:50am F 10:00am - 10:50am	ARC 0204 ARC 1103	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL13	Luis Diego Quiros Pacheco	Seats (Total: 19)	
	MW 10:00am - 10:50am M 11:00am - 11:50am	ARC 0204 ARC 1105	Discussion
BL15	Luis Diego Quiros Pacheco	Seats (Total: 19)	
	MW 10:00am - 10:50am W 9:00am - 9:50am	ARC 0204 ARC 1121	Discussion

BL16	Luis Diego Quiros Pacheco MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 19) ARC 0204 ARC 1121	 Discussion

ARCH226 **History of World Architecture II**

ARCH226 History of World Architecture II; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Survey of architectural history from 1000 to 1800.

0101	Cynthia Field TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204	

ARCH242 **Basic Architectural Drawing**

ARCH242 Basic Architectural Drawing; (3 credits) Grade Method: REG.
Prerequisite: ARCH170; or permission of ARCH-Architecture Program. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0103	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 0204 ARC 1121	 Lab
0104	Lester Escobal F 8:00am - 9:50am M 11:00am - 12:50pm	Seats (Total: 13) ARC 0204 ARC 1121	 Lab

ARCH271 **People, Planet, and Profit: Building Sustainable Places**

ARCH271 People, Planet, and Profit: Building Sustainable Places; (3 credits)
Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
An introduction to the four disciplines represented in the School: architecture and urban design, community planning, historic preservation, and real estate development, that work to create a more sustainable environment for the future to create a more sustainable environment for the future using our interpretation of the quadruple bottom line: socio-cultural, economic, environmental, and design sustainability. Students will be provided with an understanding of the fundamental scholarship and processes of each of these disciplines and examine the intersections between them. Additionally, they will learn by applying the approaches of the four disciplines through a series of field studies.

0101	Carl Bovill, John Sprinkle, Margaret McFarland, Willow Lung Amam TuTh 7:00pm - 8:15pm	Seats (Total: 105) ARC 0204

ARCH289I **Sustainability at College Park**

ARCH289I Sustainability at College Park; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Explore the ways and the degrees to which UMCP campus master planning and operations incorporate principles of sustainability including smart growth, LEED and other building rating systems, higher education rating systems, sustainable agriculture and transportation planning. Among other subjects, students will learn about the Campus and the City of College Park and survey the relationship between local, national and global sustainability concerns. Students will learn about the University's Climate Action Plan and the roles, and extent to which, the campus Office of Sustainability and other campus units are helping develop a carbon-neutral and resource-efficient campus infrastructure and will tour selected facilities on campus.

0101	Ralph Bennett TuTh 5:00pm - 6:15pm	Seats (Total: 80) ARC 0204

ARCH401 **Architecture Studio II**

ARCH401 *(PermReq)* **Architecture Studio II; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ARCH400. Restriction: Must be in Architecture (B.S.) program. Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors. Restricted to ARCH majors.

0101	Michael Ambrose	Seats (Total: 54)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH403 **Architecture Studio IV**

ARCH403 Architecture Studio IV; (6 credits) Grade Method: REG/P-F/AUD.
GenEd: Fundamental Studies - Oral Communications.
Prerequisite: Minimum grade of C- in ARCH402. Restriction: Must be in Architecture (B.S.) program. Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical. Restricted to ARCH majors.

0101	Luis Diego Quiros Pacheco	Seats (Total: 56)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH405 **Graduate Architecture Design Studio II**

ARCH405 Graduate Architecture Design Studio II; (6 credits) Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in ARCH404. Restriction: Must be in Architecture (Master's) program. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered spring only.

0101	Hooman Koliji	Seats (Total: 12)	
	MWF 2:00pm - 6:00pm	Location: TBA	

ARCH407 **Graduate Architecture Design IV**

ARCH407 Graduate Architecture Design IV; (6 credits) Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in ARCH406. Restriction: Must be in Architecture (Master's) program.* Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high-density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit Oriented Development, density, sustainable development, building typology, and street design.

0101	Jana Vandergoot	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH411 **Technology II**

ARCH411 Technology II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH410. Corequisite: ARCH401. Restriction: Must be in Architecture (B.S.) program.* Second course in a four course sequence. Building construction processes and terminology; use and performance characteristics of primary building materials; principles of structural behavior related to the building systems; equilibrium and stability, stiffness and strength, types of stress, distribution of force and stress, resolution of forces, reactions, bending moments, shear, deflection, buckling. Restricted to ARCH majors.

0101	Powell Draper	Seats (Total: 66)
	TuTh 10:30am - 12:15pm	ARC 0204

ARCH413 **Architecture Technology IV**

ARCH413 Architecture Technology IV; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH412. Corequisite: ARCH403. Restriction: Must be in Architecture (B.S.) program.* Final course in a four course sequence. Theory, quantification, and architectural design applications for HVAC, water systems, fire protection electrical systems, illumination, signal equipment, and transportation systems. Restricted to ARCH majors.

0101	Carl Bovill	Seats (Total: 66)
	TuTh 2:00pm - 3:45pm	ARC 0204

ARCH423 **History of Roman Architecture**

ARCH423 *(PermReq)* **History of Roman Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARCH-Architecture Program. Survey of Roman architecture from 500 B.C. To A.D. 325.

0101	Robert Vann	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ARC 1103

ARCH427 **Theories of Architecture**

ARCH427 Theories of Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH426; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program. Selected historical and modern theories of architectural design.

0101	Michele Lamprakos	Seats (Total: 12)
	W 10:00am - 1:00pm	ARC 1121

ARCH428B **Selected Topics in Architectural History; History of British Architecture, Urbanism and Landscape**
Contact department for information to register for this course.

ARCH445 **Visual Analysis of Architecture**

ARCH445 Visual Analysis of Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program. Study of visual principles of architectural and urban precedents through graphic analysis. Exercises include on-site observation, documentation and analysis. Focuses on the development of an architect's sketchbook as a tool for life-long learning.

0101	Steven Hurtt	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	ARC 1103

ARCH460 **Site Analysis and Design**

ARCH460 *(PermReq)* **Site Analysis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

0101	Jana Vandergoot	Seats (Total: 26)
	TuTh 11:00am - 12:15pm	SQH 1123

ARCH461 **Sustainability in Architecture**

ARCH461 Sustainability in Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH401; and ARCH410. Or permission of ARCH-School of Architecture, Planning, & Preservation. Credit only granted for: ARCH418S or ARCH461. Formerly: ARCH418S. Strategies of sustainability as related to the broader context of architectural problem solving.

0101	Carl Bovill	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	ARC 1105

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program. Introduction to computer utilization, with emphasis on architectural applications. Restricted to ARCH majors.

0101	Irini Zhupa	Seats (Total: 19)
	MW 7:00pm - 8:50pm	ARC 1115

ARCH478C **Selected Topics in Architecture; Careers in Architecture**

ARCH478C *(PermReq)* **Selected Topics in Architecture: Careers in Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to ARCH majors.

0101	Albert Rubeling	Seats (Total: 19)
	Tu 4:00pm - 6:30pm	ARC 1123

ARCH478Q **Selected Topics in Architecture; Bridge Design**

ARCH478Q Selected Topics in Architecture: Bridge Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Powell Draper	Seats (Total: 19)
	Th 7:00pm - 10:00pm	ARC 1123

ARCH479 **Independent Studies in Architecture**

ARCH479 Independent Studies in Architecture; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH481 **The Architect in Archaeology**

ARCH481 The Architect in Archaeology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Permission of ARCH-Architecture Program.* The role of the architect in field archaeology and the analysis of excavating, recording, and publishing selected archaeological expeditions.

0101	Robert Vann	Seats (Total: 30)
	Tu 7:00pm - 10:00pm	ARC 1101

ARCH601 **Topical Studio**

ARCH601 Topical Studio; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH600. Restriction: Must be in Architecture (Master's) program. Topical architectural design studio with concentration on advanced theoretical, programmatic, contextual, and/or technical issues, with topical inquiry addressing but not limited to: architectural competitions, housing, sustainable design, collegiate architecture, regional architecture, classicism versus modernity. Restricted to ARCH, URPD or ARCP majors.

0101	Christopher Pfaeffle	Seats (Total: 27)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH628B **Selected Topics in Architectural History; Housing Seminar**

ARCH628B *(PermReq)* **Selected Topics in Architectural History: Housing Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Karl Du Puy	Seats (Total: 2)
	Contact instructor or department for details.	

ARCH635 **Seminar in the History of Modern Architecture**

ARCH635 Seminar in the History of Modern Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH427; or permission of ARCH-Architecture Program. Advanced investigation of historical problems in modern architecture.

0101	Cynthia Field	Seats (Total: 19)
	Tu 4:30pm - 7:00pm	ARC 1105

ARCH670 **Advance Comprehensive Computer Technology in Architecture**

ARCH670 Advance Comprehensive Computer Technology in Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH403; and ARCH470. Or students who have taken courses with comparable content may contact the department. Credit only granted for: ARCH678C or ARCH670. Formerly: ARCH678C. Comprehensive use of computer technology in the design process. Use of digital versus analog modeling to study design alternatives. Methods of representation to best convey concepts and integration of technology.

0101	Michael Ambrose	Seats (Total: 15)
	Tu 7:00pm - 9:30pm	ARC 1115

ARCH673 **Building Culture**

ARCH673 Building Culture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH402; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (Master's) program. Comprehension of major themes in the development of architectural building techniques and culture value systems in architecture are developed through lecture, discussion and analysis of seminal readings and buildings.

0101	Amy Gardner M 7:00pm - 9:30pm	Seats (Total: 10) ARC 1123

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH678Q **Selected Topics in Architecture; Bridge Design**

ARCH678Q Selected Topics in Architecture: Bridge Design; (3 credits) Grade Method: REG/AUD.

0101	Powell Draper Th 7:00pm - 10:00pm	Seats (Total: 19) ARC 1123

ARCH678Z **Selected Topics in Architecture; Sensing Architecture: Body and Place**

ARCH678Z Selected Topics in Architecture: Sensing Architecture: Body and Place; (3 credits) Grade Method: REG/AUD.

0101	Peter Noonan Th 7:00pm - 9:30pm	Seats (Total: 12) ARC 1127

ARCH679 **Independent Studies in Architecture**

ARCH679 Independent Studies in Architecture; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: ARCH601.* Directed research and preparation of thesis program.

0101	Garth Rockcastle	Seats (Total: 15)
	Contact instructor or department for details.	

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH, or ARCP majors. Prerequisite: ARCH 797

Contact department for information to register for this course.

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics — Spring 2014

AREC200 **The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

AREC200 The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Jorge Holzer Bilbao, Loretta Lynch MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 CHM 1224	Discussion
0102	Loretta Lynch, Jorge Holzer Bilbao MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) SHM 2102 PLS 1113	Discussion
0103	Loretta Lynch, Jorge Holzer Bilbao MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 35) SHM 2102 PLS 1113	Discussion
0104	Loretta Lynch, Jorge Holzer Bilbao MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 35) SHM 2102 PLS 1111	Discussion

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Roberton Williams TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 40) PLS 1140 EGR 3106	Discussion
0102	Roberton Williams TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 40) PLS 1140 KEB 1200	Discussion

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Howard Leathers	Seats (Total: 286)
	MWF 11:00am - 11:50am	PHY 1412

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT100 or MATH111; or students who have taken courses with comparable content may contact the department. And AREC240, ECON200, or AREC250; or students who have taken courses with comparable content may contact the department. Credit only granted for: AREC182 or AREC382. Formerly: AREC182.
Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Anna Alberini	Seats (Total: 30)
	MW 1:00pm - 2:15pm	PLS 1129

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 5)
3103	Kenneth Leonard Contact instructor or department for details.	Seats (Total: 5)
3104	Ramon Lopez Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC427 **Economics of Commodity Marketing Systems**

AREC427 Economics of Commodity Marketing Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03).
Basic economic theory as applied to the marketing of agricultural commodities. Current developments affecting market structure including contractual arrangements, cooperative marketing, vertical integration, and governmental policies.

0101	Howard Leathers MWF 10:00am - 10:50am	Seats (Total: 30) CHM 1228

AREC435 **Commodity Futures and Options**

AREC435 Commodity Futures and Options; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: (BMGT230; or ECON321); and (ECON306; or ECON326). Or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03). The economics and institutional features of commodity futures and options markets. Students will develop a basic understanding of the underlying price relationships between cash and futures markets and will apply this information to business risk management decision making.

0101	Dale Johnson	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	MMH 0108

AREC489G **Special Topics in Agricultural and Resources Economics; Sustainable Economic Development**

AREC489G Special Topics in Agricultural and Resources Economics: Sustainable Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
ECON306 or ECON326. The course will examine why socially equitable and environmentally sustainable economic growth is difficult to achieve. It explores the interactive dynamics of environmental degradation, human capital, inequality and institutions. Emphasis is on the role of market imperfections and political failure in explaining the persistence of extractive economic institutions that hinder sustainable development.

0101	Ramon Lopez	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	SYM 0200

AREC489J **Special Topics in Agricultural and Resources Economics; Energy and Environmental Economics**

AREC489J Special Topics in Agricultural and Resources Economics: Energy and Environmental Economics; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: ECON306. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness); or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03) Economic theory and empirical methods are used to study problems of energy, the environment, and the economy. It examines the extraction, production, and use of energy and market institutions and regulatory approaches used to correct market failures. Topics covered include: oil and natural gas markets, management and design of electricity markets, renewable energy, non-market valuation , climate change, and transportation policies

0101	Sebastien Houde	Seats (Total: 70)	
	TuTh 9:30am - 10:45am	SYM 0200	

AREC610 **Microeconomic Applications in Agricultural and Resource Markets**

AREC610 Microeconomic Applications in Agricultural and Resource Markets; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON603. Applications of graduate level microeconomic analysis to the problems of agricultural and natural resource production and distribution including demand for agricultural output, the nature of agricultural supply decisions, decision making under uncertainty, valuation of natural resources, and exploitation of natural resources.

0101	Roberton Williams	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	SYM 0209	
	Tu 3:30pm - 5:00pm	KEY 0121	Discussion

AREC624 **Applied Econometrics II**

AREC624 Applied Econometrics II; (4 credits) Grade Method: REG/AUD. *Prerequisite: AREC623.* Variations of the standard linear model, simultaneous equations estimation, nonlinear regression, nonlinear simultaneous equations estimation, static and dynamic panel data models, errors in variables, Hausman tests, discrete choice models such as conditional multinomial and mixed logit models, latent class models, semi-parametric estimation, varying parameter models, unobserved variables, time series models, and model selection procedures.

0101	Richard Just, Anna Alberini	Seats (Total: 30)	
	MW 10:00am - 12:30pm	SYM 0215	
	F 10:00am - 12:00pm	SYM 0115	Discussion

AREC645 **Environment and Development Economics**

AREC645 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as: AREC845. Credit only granted for: AREC645 or AREC845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC783 **Environmental Taxation and Regulation**

AREC783 Environmental Taxation and Regulation; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON603 and ECON604; and graduate-level econometrics. Credit only granted for: AREC783 or AREC869W. Formerly: AREC869W. The economics of policies to address environmental externalities. Specific topics include the theory of public goods and externalities, cost-benefit and cost-effectiveness analysis of environmental regulations, regulatory instrument choice under uncertainty, environmental policy in an economy with pre-existing tax distortions, monitoring and enforcement of environmental regulations, distributional effects of environmental policy, and regulation of intertemporal externalities.

0101	Lint Barrage	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	HBK 1108

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC845 **Environment and Development Economics**

AREC845 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as: AREC645. Credit only granted for: AREC645 or AREC845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC869K **Advanced Topics in Agricultural and Resource Economics; Introduction to Prospectus Writing II**

AREC869K Advanced Topics in Agricultural and Resource Economics: Introduction to Prospectus Writing II; (1 credit) Grade Method: REG/AUD.

0101	Richard Just	Seats (Total: 22)
	Contact instructor or department for details.	

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Spring 2014

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**
Contact department for information to register for this course.

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU318A **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Poetry Colloquium**

ARHU318A *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Poetry Colloquium; (1 credit)** Grade Method: REG. Restricted to Jimenez-Porter Writers' House Students.

0101	Julie Brown	Seats (Total: 15)
	W 4:30pm - 6:00pm	DOR 0128

ARHU318B **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Prose Colloquium**

ARHU318B *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Prose Colloquium; (1 credit)** Grade Method: REG. Restricted to Jimenez-Porter Writers' House Students

0101	Jesse Brooks	Seats (Total: 15)
	W 7:00pm - 8:30pm	DOR 0128

ARHU319A **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing for Publication**

ARHU319A *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing: Writing for Publication; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
Restricted to Jimenez-Porter Writer's House students.

0101	Megan Kuyatt	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	DOR 0128
	Contact instructor or department for details.	

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt	Seats (Total: 2)
	Contact instructor or department for details.	

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0201	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU439J **Interdisciplinary Studies in Arts and Humanities; Social Activism and Popular Culture**

ARHU439J *(PermReq)* **Interdisciplinary Studies in Arts and Humanities: Social Activism and Popular Culture; (3 credits)** Grade Method: REG/P-F/AUD.
This is a blended learning course covering topics related to social activism and popular culture both online and in the classroom. It is the first semester of the College of Arts and Humanities Social Innovation Scholars program taken in the spring, in which they will learn about social innovation and the public discourse and be paired with a mentor from a non-profit organization. There is also a summer internship and a fall course in which they will implement their innovation. Participation is by application and permission only. To enroll, students must contact the ARHU advising office in 1120 Francis Scott Key, x5-2108. AMST majors are eligible for ARHU439J only.

BL01	Sheri Parks	Seats (Total: 15)
	W 3:00pm - 5:30pm Class time/details on ELMs	ASY 3211 ONLINE

ARHU468 **Peer Mentoring Program**

ARHU468 *(PermReq)* **Peer Mentoring Program; (1 credit)** Grade Method: REG.
Restricted to ARHU upperclassmen who will serve as peer mentors to help transition new students to the university. Interested students must apply to become a peer mentor. Click here for more information.

0101	J Greene	Seats (Total: 50)
	M 4:00pm - 5:30pm	KEY 0103

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)**
Grade Method: REG/P-F.
Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD. An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

ARHU786 *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed one semester of full-time graduate study; and permission of ARHU-College of Arts & Humanities. Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Spring 2014

ARMY102 **Basic Military Science II**

ARMY102 Basic Military Science II; (1 credit) Grade Method: REG/P-F/AUD.
The continuation of the exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie.

0101	Terrence McCall	Seats (Total: 40)	
	W 1:00pm - 1:50pm	COL 0100	
	Th 4:00pm - 6:00pm	COL 0100	Lab

ARMY104 **Basic Army Physical Fitness II**

ARMY104 Basic Army Physical Fitness II; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY102. This course expands knowledge and proficiency in Basic Army Physical Fitness. Through a continued progressive, rigorous workouts, students improve individual fitness levels to exceed the Army Physical Fitness Test requirements. Course content also continues exploration of managerial skills and basic military tactics and techniques.

0101	Curtis Burrell	Seats (Total: 100)	
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY202 **Military Leadership in Practice**

ARMY202 Military Leadership in Practice; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: ARMY201. Restriction: Sophomore standing or higher. This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

0102	Terrence McCall	Seats (Total: 40)	
	Tu 2:00pm - 3:50pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY302 **Advanced Military Leadership II**

ARMY302 *(PermReq)* **Advanced Military Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of UGST-Army ROTC. Restriction: Junior standing or higher. Prepares contracted students for certification at the Army National Advance Camp, a prerequisite for commissioning as an officer in the U.S. Army. Focus is directed to military tactics, squad and platoon drills, marksmanship, land navigation and fitness excellence. Includes a laboratory period in applied leadership skills as well as a three day field exercise.

0101	Curtis Burrell	Seats (Total: 40)	
	Th 1:00pm - 3:45pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0102	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARMY402 **Advanced Military Leadership IV**

ARMY402 *(PermReq)* **Advanced Military Leadership IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of UGST-Army ROTC. Restriction: Senior standing. The military system and code of ethics in the military environment is studied. Topics include code of conduct during all forms of military operations, the Geneva Conventions and the ethical decision making process. Also includes a laboratory in applied leadership skills, fitness excellence and two field exercises.

0101	Curtis Burrell	Seats (Total: 30)	
	MW 1:00pm - 2:30pm	COL 0102	
	Th 4:00pm - 6:00pm	COL 0101	Lab
	MWTh 6:30am - 7:30am	COL 0100	Lab

ARSC Air Science Spring 2014

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.
Restriction: Must be an AFROTC cadet. Repeatable to 10 credits if content differs. Formerly: ARSC159. Additional information: This course does not carry any credit toward any degree at the University.

0101	Lucas Matyi	Seats (Total: 250)
	Th 7:00am - 8:50am	Location: TBA
	Course meets in front of COL. Contact instructor for details.	

ARSC101 **The USAF Today II**

ARSC101 The USAF Today II; (1 credit) Grade Method: REG.
Corequisite: AFROTC cadets must also register for ARSC059. Freshman course for AFROTC. Continuation of ARSC100 for freshmen AFROTC cadets. Study of topics relating to the Air Forces and defense. Focuses on organizational structure and missions of the Air Force; officership and an introduction to both written and oral communication skills.

0101	Vaughn Gonzalez, Jiemin Hou, Marilyn Jenkins Tu 9:00am - 9:50am	Seats (Total: 18) COL 2126
0102	Marilyn Jenkins, Jiemin Hou, Vaughn Gonzalez Th 9:00am - 9:50am	Seats (Total: 90) TWS 1100

ARSC201 **The Development of Air Power II**

ARSC201 The Development of Air Power II; (1 credit) Grade Method: REG.
Corequisite: AFROTC cadets must also register for ARSC059. Continuation of ARSC 200 for sophomore AFROTC cadets. The study of historical events, leaders, and technical developments which surrounded the growth of air power; the basics of leadership; environment of an Air Force officer; and concepts of ethical behavior.

0101	Instructor: TBA Th 10:00am - 10:50am	Seats (Total: 49) COL 0101
0103	Instructor: TBA Tu 8:00am - 8:50am	Seats (Total: 25) COL 2126

ARSC301 **Management and Leadership II**

ARSC301 *(PermReq)* **Management and Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher. Continuation of ARSC300. Study of leadership and management skills and leadership ethics as well as written and oral communication skills required of Air Force officers. This course will satisfy credit towards a minor in military studies.

0101	Lucas Matyi Th 9:00am - 12:00pm	Seats (Total: 21) COL 2126
0102	Lucas Matyi TuTh 12:30pm - 2:00pm	Seats (Total: 21) COL 2126

ARSC399 **Independent Study in Air and Space Power Implementation**

ARSC399 Independent Study in Air and Space Power Implementation; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Jiemin Hou Contact instructor or department for details.	Seats (Total: 10)

ARSC401 **National Security Forces in Contemporary American Society II**

ARSC401 *(PermReq)* **National Security Forces in Contemporary American Society II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARSC300 or ARSC301; or permission of UGST-AFROTC-Air Science. Corequisite: ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing. This course examines various subjects including: military law/justice, preparation for active duty, and current issues affecting military professionalism. This course will satisfy credit towards a minor in military studies.

0101	Jiemin Hou Th 9:00am - 12:00pm	Seats (Total: 30) COL 0102
0102	Jiemin Hou TuTh 2:00pm - 3:30pm	Seats (Total: 18) COL 2126

ARTH Art History & Archaeology Spring 2014

ARTH169B **Special Topics in Study Abroad I; Arts of Modernity**
Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**
Contact department for information to register for this course.

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

ARTH200 Art and Society in Ancient and Medieval Europe and the Mediterranean; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Louise Martinez TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0102	Louise Martinez TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0103	Louise Martinez TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0104	Louise Martinez TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0105	Louise Martinez TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0106	Louise Martinez TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion

ARTH201 **Art and Society in the West from the Renaissance to the Present**

ARTH201 Art and Society in the West from the Renaissance to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	Susan Nalezyty MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0103	Susan Nalezyty MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Susan Nalezyty MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Susan Nalezyty MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	Discussion
0106	Susan Nalezyty MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion

ARTH221 **Color: Art, Science, and Culture**

ARTH221 Color: Art, Science, and Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
An interdisciplinary exploration of the intersections of art, science, and culture. Using research on human vision, neurobiology, and cognitive psychology, examines how vision works, why we see color, and how we respond to color. Investigates the cultural significance of color: how artists across time and cultures have had access to and used color; how cultures have created specific language to describe color; and how cultures have imbued color with profane, sacred, and/or symbolic meanings.

0101	Renee Ater TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3211	Discussion
0102	Renee Ater TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3211	Discussion
0103	Renee Ater TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 1) ASY 2203 ASY 3211	Discussion
0104	Renee Ater TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 15) ASY 2203 ASY 3211	Discussion

ARTH221S **Color: Art, Science, and Culture**

ARTH221S Color: Art, Science, and Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
An interdisciplinary exploration of the intersections of art, science, and culture. Using research on human vision, neurobiology, and cognitive psychology, examines how vision works, why we see color, and how we respond to color. Investigates the cultural significance of color: how artists across time and cultures have had access to and used color; how cultures have created specific language to describe color; and how cultures have imbued color with profane, sacred, and/or symbolic meanings. Restricted to College Park Scholars-Arts (CPSA).

0103	Renee Ater TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 29) ASY 2203 ASY 3211	Discussion
0104	Renee Ater TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 15) ASY 2203 ASY 3211	Discussion

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**
Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**
Contact department for information to register for this course.

ARTH275 **Art and Society in Africa**

ARTH275 Art and Society in Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative study of art and material culture from various regions of the African continent. Looking across ethnic and national boundaries, considers the many relevant political, social, and religious contexts.

0102	Shannen Hill MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) ASY 2203 ASY 3215	 Discussion
0104	Shannen Hill MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3215	 Discussion

---

ARTH290 **Art and Society in Asia**

ARTH290 Art and Society in Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative, interrelational study of the different visual arts and material cultures produced by societies in Asia. An examination of the historical traditions and forms in political, social, and religious contexts.

0101	Jason Kuo MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3219	 Discussion
0102	Jason Kuo MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3211	 Discussion
0103	Jason Kuo MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 25) ASY 2203 ASY 3215	 Discussion

0104	Jason Kuo MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3215	 Discussion

ARTH303 **Roman Art and Archaeology**

ARTH303 Roman Art and Archaeology; (3 credits) Grade Method: REG/P-F/AUD. Sites and monuments of painting, sculpture, architecture, and the minor arts from the earliest times through the third century A.D. with emphasis on the Italian peninsula from the Etruscan period through that of Imperial Rome.

0101	Maryl Gensheimer TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3215

ARTH314 **Gothic Art**

ARTH314 Gothic Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture in Western Europe, ca. 1150-1400.

0101	Lauree Sails TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3211

ARTH320 **Fourteenth and Fifteenth-Century Northern European Art**

ARTH320 Fourteenth and Fifteenth-Century Northern European Art; (3 credits) Grade Method: REG/P-F/AUD.
The art of northern Europe with an emphasis on painting in the Netherlands and France.

0101	Louise Martinez TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3215

ARTH324 **Sixteenth-Century Italian Renaissance Art**

ARTH324 Sixteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and the decorative arts of the sixteenth century in Italy.

0101	Meredith Gill TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3211

ARTH345 **Nineteenth-Century European Art to 1850**

ARTH345 Nineteenth-Century European Art to 1850; (3 credits) Grade Method: REG/P-F/AUD.
Major trends from Neo-Classicism to Romanticism through an interdisciplinary perspective with an emphasis on historical context.

0101	June Hargrove TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3215

ARTH351 **Art Since 1945**

ARTH351 Art Since 1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201 or ARTH350. Visual art since 1945, with an emphasis on North America and Europe.

0101	Greg Metcalf TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3211

ARTH357 **History of Photography**

ARTH357 History of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ARTH357 or ARTH457. An exploration of the historical, social, aesthetic, and technological developments of the photographic medium and its relationship to other modes of visual representation in the creation of the modern world.

0101	Wendy Grossman MW 3:30pm - 4:45pm	Seats (Total: 30) ASY 3215

ARTH359G **Film as Art; Ingmar Bergman and the European Art Film**

ARTH359G Film as Art: Ingmar Bergman and the European Art Film; (3 credits) Grade Method: REG/P-F/AUD.
Ingmar Bergmans films of late 1950s and 1960s as a reflection of European Art film of the era that influenced American filmmaking in the 1970s. Course meets in HBK nonprint room J.

0101	Greg Metcalf W 3:00pm - 6:30pm	Seats (Total: 30) HBK ROOM J

ARTH360 **History of American Art to 1876**

ARTH360 History of American Art to 1876; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and decorative arts in North America from the colonial period to 1876.

0101	Valerie Hellstein TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3211

ARTH369B **Special Topics in Study Abroad III; Bernini**
Contact department for information to register for this course.

ARTH369Q **Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**
Contact department for information to register for this course.

ARTH386 **Experiential Learning**

ARTH386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTH389C **Special Topics in Art History and Archaeology; 1956: The Cold War in Global Perspective**

ARTH389C Special Topics in Art History and Archaeology: 1956: The Cold War in Global Perspective; (3 credits) Grade Method: REG/P-F/AUD.

0101	Valerie Hellstein TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3215

ARTH389D **Special Topics in Art History and Archaeology; Art and Architecture of Early Modern Venice**

ARTH389D Special Topics in Art History and Archaeology: Art and Architecture of Early Modern Venice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Susan Nalezyty TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH389Z **Special Topics in Art History and Archaeology; Jewish Art in the Twentieth Century**
Contact department for information to register for this course.

ARTH466 **Feminist Perspectives on Women in Art**

ARTH466 Feminist Perspectives on Women in Art; (3 credits) Grade Method: REG/P-F/AUD.
Principal focus on European and American women artists of the 19th and 20th centuries, in the context of the new scholarship on women.

0101	Sybil Gohari TuTh 9:30am - 10:45am	Seats (Total: 30) ASY 3215

ARTH488A **Colloquium in Art History; Gladiators and Caesars: The Archaeology of Roman Spectacle**

ARTH488A Colloquium in Art History: Gladiators and Caesars: The Archaeology of Roman Spectacle; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maryl Gensheimer TuTh 9:30am - 10:45am	Seats (Total: 10) ASY 3217

ARTH488B **Colloquium in Art History; Impressionism: Art of Modernity**

ARTH488B Colloquium in Art History: Impressionism: Art of Modernity; (3 credits) Grade Method: REG/P-F/AUD.

0101	June Hargrove TuTh 2:00pm - 3:15pm	Seats (Total: 10) ASY 3217

ARTH488C **Colloquium in Art History; The Baroque Persona: Painting and Artistic Biography in 17th-Century Spain**

ARTH488C Colloquium in Art History: The Baroque Persona: Painting and Artistic Biography in 17th-Century Spain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Anthony Colantuono	Seats (Total: 10)
	Tu 12:00pm - 2:30pm	ASY 4304

ARTH489K **Special Topics in Art History; Art and the Museum World**

ARTH489K Special Topics in Art History: Art and the Museum World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine	Seats (Total: 15)
	F 2:00pm - 4:30pm	ASY 3211

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

ARTH498 *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 Seminar in Seventeenth-Century Northern European Art; (3 credits) Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art; Modern Art Avant-Gardes in "Eastern Europe"**

ARTH759 *(PermReq)* **Seminar in Twentieth-Century Art: Modern Art Avant-Gardes in "Eastern Europe"; (3 credits)** Grade Method: REG/AUD.

0101	Steven Mansbach Th 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH769 **Seminar in African Art; Seminar in African Art: Africa's Modernisms**

ARTH769 *(PermReq)* **Seminar in African Art: Seminar in African Art: Africa's Modernisms; (3 credits)** Grade Method: REG/AUD.

0101	Shannen Hill W 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH789A **Selected Topics in Art History; Global and Transnational Perspectives: Art and Artists in the Chinese Diaspora**

ARTH789A Selected Topics in Art History: Global and Transnational Perspectives: Art and Artists in the Chinese Diaspora; (3 credits) Grade Method: REG/AUD.

0101	Jason Kuo M 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Spring 2014

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 studio lab fee.

0101	James Thorpe TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0201	James Thorpe TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0301	Ruth Lozner MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0401	Ruth Lozner MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab

0501	Alison Miller MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0601	Alison Miller MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0701	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0801	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Alison Miller MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
1001	Alison Miller MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.
Students must pay a $40.00 studio lab fee.

0101	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Lauren Evans TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab
0401	Lauren Evans TuTh 3:30pm - 6:00pm	Seats (Total: 18) ASY 2317	Lab

0501	Matthew McLaughlin TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0601	Matthew McLaughlin TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab
0701	Alison Miller MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0801	Alison Miller MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab
0901	Dawn Gavin MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
1001	Dawn Gavin MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3215	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion
0103	Richard Klank MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3211	Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3219	Discussion

0202	Rex Weil TuTh 3:30pm - 4:20pm Tu 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 ASY 3219	 Discussion

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 studio lab fee.

0101	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0201	Robert Hackett TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 1314	 Lab
0301	Steven Jones MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0401	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1311	 Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT110. Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 studio lab fee.

0101	Matthew McLaughlin TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2315	 Lab
0201	Rushern Baker MW 9:00am - 11:30am	Seats (Total: 18) ASY 2315	 Lab

0301	Lillian Hoover MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	Lab
0401	Jennifer Watson TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	Lab

ARTT255 **Introduction to Digital Art and Design Processes**

ARTT255 Introduction to Digital Art and Design Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354. Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100. Students must pay a $40.00 studio lab fee.

0101	Shannon Collis MW 1:00pm - 3:30pm	Seats (Total: 24) CSS 1410	Lab
0201	Narendra Ratnapala TuTh 12:30pm - 3:00pm	Seats (Total: 24) CSS 1410	Lab
0301	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 24) CSS 1410	Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 studio lab fee.

0101	Emily Conover MW 12:30pm - 3:00pm *This section uses acrylic paint only.*	Seats (Total: 20) ASY 3312	Lab

0201	Lillian Hoover	Seats (Total: 20)	
	MW 3:00pm - 5:30pm	ASY 3318	Lab
0301	Richard Klank	Seats (Total: 15)	
	MW 9:00am - 11:30am	ASY 3322	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

0101	John Ruppert	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

ARTT330H *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

0101	John Ruppert	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 studio lab fee.

0101	Jennifer Watson	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes using wood and mixed media. This course is restricted to departmental honors students only. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT341 **Elements of Printmaking: Woodcut and Relief**
Contact department for information to register for this course.

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. Includes photographic processes. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 studio lab fee. Click here for more course information.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0401	Lab
	MW 9:00am - 11:30am	MMH 0110	Lab
0201	Sora Devore	Seats (Total: 10)	
	MW 12:30pm - 3:00pm	MMH 0401	Lab
	MW 12:30pm - 3:00pm	MMH 0110	Lab

ARTT357 **Interactive Design**

ARTT357 *(PermReq)* **Interactive Design; (3 credits)** Grade Method: REG. *Prerequisite: ARTT355 and ARTT356.* In-depth exploration of interactive design and website construction. Emphasis on concept-driven and community-based projects using variety of interactive software programs. Students must pay a $40.00 studio lab fee.

0101	Malcolm Jones	Seats (Total: 20)	
	MW 5:00pm - 7:30pm	CSS 1410	Lab

ARTT361 **Design Literacy: Decoding Our Visual Culture**

ARTT361 *(PermReq)* **Design Literacy: Decoding Our Visual Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT355 and ARTT356. Credit only granted for: ARTT361 or ARTT489L. Formerly: ARTT489L. Holistic presentation of design history and theory from pre-history to present. Covers primarily visual communication design and includes the interrelationship of interior-, furniture-, industrial-, fashion-design, and architecture.

0101	Rex Weil	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	ASY 2322	

ARTT370 **Elements of Digital Media**

ARTT370 Elements of Digital Media; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department.* Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art. Students must pay a $40.00 studio lab fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418B **Advanced Drawing Studio; Advanced Drawing: Contemporary Approach**

ARTT418B Advanced Drawing Studio: Advanced Drawing: Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200 and ARTT210; plus one 300-level studio course; or permission of Department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Emily Conover MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	 Lab
0201	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	 Lab
0301	Leslie Berns TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	 Lab

ARTT418H **Advanced Drawing Studio; Honors Advanced Drawing**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Advanced Drawing; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; and permission of department. Students must pay a $40.00 studio lab fee.

0201	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2314	 Lab
0301	Emily Conover MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 2314	 Lab

ARTT428 **Advanced Painting Studio; Advanced Painting**

ARTT428 Advanced Painting Studio: Advanced Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 3312	Lab
0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 3312	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3318	Lab

ARTT428H **Advanced Painting Studio; Honors Advanced Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Advanced Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: ARTT320 and permission of department. Students must pay a $40.00 studio lab fee.

0201	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 3316	Lab

ARTT428X **Advanced Painting Studio**
Contact department for information to register for this course.

ARTT438A **Advanced Sculpture Studio; Advanced Metal Casting**

ARTT438A Advanced Sculpture Studio: Advanced Metal Casting; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of department. Students must pay a $40.00 studio lab fee.

0101	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 4) ASY 1310	Lab

ARTT438B **Advanced Sculpture Studio; Advanced Steel Sculpture**

ARTT438B Advanced Sculpture Studio: Advanced Steel Sculpture; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite ARTT331. Students must pay a $40.00 studio lab fee.

0101	Jennifer Watson	Seats (Total: 6)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Advanced Sculpture in Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Advanced Sculpture in Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT333 or permission of department. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 4)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT438H **Advanced Sculpture Studio; Honors Advanced Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Advanced Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: 300-level sculpture course and permission of department. Students must pay a $40.00 lab fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab
0201	John Ruppert	Seats (Total: 2)	
	MW 3:00pm - 5:30pm	ASY 1314	Lab

ARTT438O **Advanced Sculpture Studio; On Site: Creating A Sense of Place through Intervention and Transformation**

ARTT438O Advanced Sculpture Studio: On Site: Creating A Sense of Place through Intervention and Transformation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: A 300-Level Sculpture Course or permission of instructor.This advanced level studio course is an open forum hands-on approach to site oriented and installation sculpture. Through a variety of materials, techniques, and conceptual strategies students will address the meaning of place. Participants will devlelop an understanding of the implications of physical/material/psychological space through analysis, and/or transformation of existing sites informed by both an understandingof place and context. The professor will enhance the studio experience with seminar discussions that showcase select examples and critical theories employed by Artists and Architects around the issues of site, intervention and public space. Students must pay a $40.00 lab fee.

0101	John Ruppert	Seats (Total: 14)	
	MW 3:00pm - 5:30pm	ASY 1314	Lab

ARTT448A **Advanced Printmaking Studio; Advanced Intaglio**

ARTT448A Advanced Printmaking Studio: Advanced Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT340 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448E **Advanced Printmaking Studio; Advanced Screen Printing**

ARTT448E Advanced Printmaking Studio: Advanced Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT343 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab

ARTT448F **Advanced Printmaking Studio; Monoprints and Mixed Media**

ARTT448F Advanced Printmaking Studio: Monoprints and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One 300-level printmaking course or permission of department. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Shannon Collis	Seats (Total: 14)	
	MW 4:00pm - 6:30pm	ASY 1317	Lab

ARTT448H **Advanced Printmaking Studio; Honors Advanced Printmaking**

ARTT448H *(PermReq)* **Advanced Printmaking Studio: Honors Advanced Printmaking; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: 300-level printmaking course and permission of department. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab
	Advanced Screen Printing.		
0301	Shannon Collis	Seats (Total: 2)	
	MW 4:00pm - 6:30pm	ASY 1317	Lab
0501	Margo Humphrey	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Darkroom Techniques**

ARTT449A *(PermReq)* **Advanced Photography Studio: Black and White Photography and Darkroom Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of department. Students must pay a $40.00 studio lab fee.

0101	Sora Devore	Seats (Total: 5)	
	MW 9:00am - 11:30am	MMH 0110	Lab
	MW 9:00am - 11:30am	MMH 0401	Lab

0201	Sora Devore	Seats (Total: 5)	
	MW 12:30pm - 3:00pm	MMH 0110	Lab
	MW 12:30pm - 3:00pm	MMH 0401	Lab

ARTT455 **Three Dimensional Graphic Design**

ARTT455 *(PermReq)* **Three Dimensional Graphic Design; (3 credits)** Grade Method: REG.
Prerequisite: ARTT355, ARTT356, and ARTT357. Recommended: ARTT333. Credit only granted for: ARTT352 or ARTT455. Formerly: ARTT352. Continued exploration of advanced graphic design practices with primary emphasis on 3-D object and packaging design. Includes research, course reading discussion, oral presentations, and specific project assignments which will require a proficient level of hand-skills (craft) and computer skills. Students must pay a $40.00 studio lab fee.

0101	Mira Azarm	Seats (Total: 20)	
	TuTh 4:00pm - 6:30pm	ASY 2322	Lab

ARTT458 **Graphic Design Portfolio; Advanced Graphic Design**

ARTT458 *(PermReq)* **Graphic Design Portfolio: Advanced Graphic Design; (3 credits)** Grade Method: REG.
Print publication and self promotion design. Students must pay a $40.00 studio lab fee.

0101	Chelsea Rio	Seats (Total: 20)	
	TuTh 1:00pm - 3:30pm	ASY 2322	Lab

ARTT479A **Advanced Digital Media Studio; Code and Form**

ARTT479A Advanced Digital Media Studio: Code and Form; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. Exploration of the ways in digital processes can be used in the creation of physical objects, and the practical and conceptual implications that arise from the translation of the virtual to the physical. Topics such as procedural 3-D modeling, 3-D printing and other digital fabrication techniques will be covered.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

ARTT479B Advanced Digital Media Studio: Introduction to Digital Video Production; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. The primary focus of this course is an introduction to video production. Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production.

0101	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT479H **Advanced Digital Media Studio; Code and Form**

ARTT479H Advanced Digital Media Studio: Code and Form; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. Exploration of the ways in digital processes can be used in the creation of physical objects, and the practical and conceptual implications that arise from the translation of the virtual to the physical. Topics such as procedural 3-D modeling, 3-D printing and other digital fabrication techniques will be covered.

0101	Brandon Morse	Seats (Total: 2)
	TuTh 3:00pm - 5:30pm	ASY 3311E

ARTT489A **Advanced Special Topics in Art; Perspectives in Art Theory**

ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150 or permission of department.

0101	Aneta Georgievska-Shine	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	ASY 3217

ARTT489G **Advanced Special Topics in Art; Art, Politics and Government**

ARTT489G Advanced Special Topics in Art: Art, Politics and Government; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rex Weil	Seats (Total: 15)
	Th 6:00pm - 8:30pm	ASY 3215

ARTT489P **Advanced Special Topics in Art; Experimental Film and Video**
Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

ARTT698C *(PermReq)* **Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699 **Directed Graduate Studies in Studio Art**

ARTT699 Directed Graduate Studies in Studio Art; (1-4 credits) Grade Method: REG/AUD.

1901	Hasan Elahi	Seats (Total: 5)
	Contact instructor or department for details.	

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD.
Students must pay a $60.00 studio lab fee.

0101	Janice Razauskas	Seats (Total: 18)
	W 6:30pm - 8:10pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Spring 2014

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe. Discussion sections do not meet the first week of classes. Attend lecture before coming to discussion section.

0101	Leo Deming TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Leo Deming TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0103	Leo Deming TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0104	Leo Deming TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0105	Leo Deming TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2115	 Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 0201	 Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab do not meet the first week of classes. Attend lecture before coming to discussion or lab section.

0101	Grace Deming TuTh 11:00am - 12:15pm Tu 5:30pm - 7:30pm Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0102	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR121 **Introductory Astrophysics II - Stars and Beyond**

ASTR121 Introductory Astrophysics II - Stars and Beyond; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: ASTR120 and MATH115; or permission of CMNS-Astronomy department. For students majoring in astronomy or with a strong interest in science. Includes instrumentation, stellar properties, stellar evolution, structure of the galaxy, other galaxies, large scale structure, Big Bang Theory, and future of the universe.

0101	Douglas Hamilton	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	CSS 2428	
	M 2:00pm - 4:00pm	CSS 1109	Lab
	F 1:00pm - 1:50pm	CSS 2428	Discussion
0102	Douglas Hamilton	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	CSS 2428	
	M 11:00am - 1:00pm	CSS 1109	Lab
	F 1:00pm - 1:50pm	CSS 2428	Discussion

ASTR220 **Collisions in Space - The Threat of Asteroid Impacts**

ASTR220 Collisions in Space - The Threat of Asteroid Impacts; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Restriction: Must not be in Astronomy program. Additional information: Course is open to Astronomy and Planetary Sciences minors. Appropriate for non-science majors. Worried? Can't sleep? Collisions in Space will evaluate the threat of asteroid impacts with the Earth using knowledge of asteroid characteristics and orbits. The merits of possible defense plans will be discussed, as well as the budgetary and political concerns associated with implementing any such plan.

0101	Melissa Hayes-Gehrke	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSS 2400	
	M 11:00am - 11:50am	CSS 2428	Discussion
0102	Melissa Hayes-Gehrke	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	CSS 2400	
	M 12:00pm - 12:50pm	CSS 2428	Discussion

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288M **Special Projects in Astronomy; Current Events in Astronomy Research**

ASTR288M *(PermReq)* **Special Projects in Astronomy: Current Events in Astronomy Research; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Stuart Vogel	Seats (Total: 10)
	M 4:00pm - 4:50pm	CSS 1248

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Natural Sciences.
Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.
Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

0101	Instructor: TBA	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	CSS 2400

ASTR305 **Astronomy and the Media**

ASTR305 Astronomy and the Media; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Although science plays a central role in modern life, the media can present scientific discoveries and thought as too complex and arcane for intelligent laypeople to understand. This has the effect of excluding non-scientists from this important intellectual discourse and sometimes of even manipulating their views. This course uses astronomy (and other science) news stories to give students the tools and motivation to critically evaluate scientific news for themselves, enabling them to use the media to keep abreast of science throughout their lives.

0101	Andrew Harris TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion
0102	Andrew Harris TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2400 CSS 2428	 Discussion

ASTR320 **Theoretical Astrophysics**

ASTR320 Theoretical Astrophysics; (3 credits) Grade Method: REG/P-F. *Prerequisite: ASTR121; and (PHYS270 and PHYS271; or PHYS273). Or permission of CMNS-Astronomy department.* Application of selected physics concepts in an astrophysical context. Topics would include gravity (Keplerian motion, Virial theorem, Roche limit, dynamical friction); gas dynamics (hydrostatic equilibrium, stellar models, spiral density waves), thermodynamics and statistical physics (Boltzmann distribution, Wien displacement, convective instability, degenerate gas); atomic physics (quantum principles, H atom, permitted and forbidden lines); radiation processes (line radiation, opacity).

0101	Christopher Reynolds TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 20) CSS 0201 CSS 0201	 Discussion

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or the General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department. Credit only granted for: ASTR330 or GEOL212. Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Alan Peel TuTh 9:30am - 10:45am	Seats (Total: 50) CSS 2428	

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: ASTR100 or ASTR101; and completion of the CORE Distributive Studies requirement in Mathematics and Sciences or General Education Fundamental Studies requirement in Mathematics. Or permission of CMNS-Astronomy department.
Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Instructor: TBA	Seats (Total: 60)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR410 **Radio Astronomy**

ASTR410 Radio Astronomy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ASTR121; and (PHYS271 and PHYS270; or PHYS273). Or permission of CMNS-Astronomy department. Introduction to current observational techniques in radio astronomy. The radio sky, radiophysics, coordinates and catalogs, antenna theory, Fourier transforms, interferometry and arrays, aperture synthesis, and radio detectors.

0101	Lee Mundy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSS 2416

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR498N **Special Problems in Astronomy; Stellar Evolution**

ASTR498N Special Problems in Astronomy: Stellar Evolution; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Harrington	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSS 2416

ASTR615 **Computational Astrophysics**

ASTR615 *(PermReq)* **Computational Astrophysics; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of CMNS-Astronomy department. Formerly: ASTR688C. Introduction to computational techniques used in astrophysical research. Topics include modern high performance computer architectures, scientific visualization and data analysis, and detailed descriptions of numerical algorithms for the solution to a wide range of mathematical systems important in astrophysics.

0101	Massimo Ricotti	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR622 **Cosmology**

ASTR622 *(PermReq)* **Cosmology; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of CMNS-Astronomy department. Credit only granted for: ASTR622 or ASTR688R. Formerly: ASTR688R. Introduction to modern cosmology. Topics include the large scale structure of the universe, cosmological models, the Big Bang, the cosmic microwave background, the nature of dark matter, and galaxy formation.

0101	Michael Boylan-Kolchin	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Spring 2014

BCHM461 **Biochemistry I**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie , e-mail oes@umd.edu, or call 301-405-7762.
BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Nicole LaRonde TuTh 9:30am - 10:45am	Seats (Total: 131) CHM 1407
0102	Paul Paukstelis TuTh 12:30pm - 1:45pm	Seats (Total: 130) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.* A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 2:00pm - 3:15pm	Seats (Total: 132) CHM 1402

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 130) CHM 1402
SES1	Erik Lontok M 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 35) MCB 1207

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 lab materials fee.

0101	Instructor: TBA Tu 12:30pm - 1:20pm Th 12:30pm - 5:20pm	Seats (Total: 22) CHM 1228 CHM 1119	 Lab
0102	Instructor: TBA Tu 12:30pm - 1:20pm W 1:00pm - 6:00pm	Seats (Total: 22) CHM 1228 CHM 1119	 Lab

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie MWF 12:00pm - 12:50pm	Seats (Total: 80) CHM 1402	

BCHM485 **Physical Biochemistry**

BCHM485 Physical Biochemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in CHEM481. Restriction: Must be in Biochemistry program; or permission of instructor. Credit only granted for: CHEM482 or BCHM485.* Physical Chemistry with applications to biological systems. Principal topics: quantum chemistry, spectroscopy, structural methods for biological macromolecules, statistical thermodynamics, transport processes in liquid phase, chemical and biochemical kinetics, modeling and simulation, polymer dynamics.

0101	David Fushman	Seats (Total: 55)
	TuTh 9:30am - 10:45am	CHM 2201

BCHM669C **Special Topics in Biochemistry; Protein Folding and Disease**

BCHM669C Special Topics in Biochemistry: Protein Folding and Disease; (2 credits) Grade Method: REG/AUD.

0101	John Orban	Seats (Total: 20)
	Meets January 27, 2014 - March 13, 2014	
	TuTh 2:00pm - 3:45pm	PLS 5112

BCHM669D **Special Topics in Biochemistry; Drug Discovery**

BCHM669D Special Topics in Biochemistry: Drug Discovery; (2 credits) Grade Method: REG/AUD.

0101	Osnat Herzberg	Seats (Total: 25)
	Meets March 24, 2014 - May 13, 2014	
	TuTh 2:00pm - 3:45pm	PLS 5112

BCHM675 **Biophysical Chemistry**

BCHM675 Biophysical Chemistry; (3 credits) Grade Method: REG/AUD. *Prerequisite: CHEM481 and BCHM461; or students who have taken courses with comparable content may contact the department.* Conformation, shape, structure, conformational changes, dynamics and interactions of biological macromolecules and complexes or arrays of macromolecules. Physical techniques for studying properties of biological macromolecules.

0101	Dorothy Beckett TuTh 9:30am - 10:45am	Seats (Total: 25) CHM 1224

BCHM676 **Biological Mass Spectrometry**

BCHM676 Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD. *Prerequisite: BCHM461 or BCHM463. Formerly: BCHM669B.* Fundamentals of modern mass spectrometry and use with biochemical techniques to provide unique analyses of drug metabolites, lipids, carbohydrates, nucleotides and proteins. The interface with bioinformatics will be examined, which provides the foundation of proteomics. Also offered as BIOE689B and CHEM699A.

0101	Catherine Fenselau TuTh 12:30pm - 1:45pm	Seats (Total: 30) CHM 1224

BCHM698 **Literature Seminar in Biochemistry**

BCHM698 Literature Seminar in Biochemistry; (2 credits) Grade Method: REG.

0101	Jason Kahn Contact instructor or department for details.	Seats (Total: 10)

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1-3 credits) Grade Method: REG/AUD.

0101	Catherine Fenselau Tu 11:00am - 11:50am	Seats (Total: 35) Location: TBA

BCHM889B **Seminar**

BCHM889B Seminar; (1-3 credits) Grade Method: REG/AUD.
Formerly: BCHM889H.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM889D **Seminar; Enzymology of Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology of Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

BCHM889F **Seminar; Bacterial Spores**

BCHM889F *(PermReq)* **Seminar: Bacterial Spores; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

BCHM889G **Seminar; Biological Mass Spectrometry**

BCHM889G *(PermReq)* **Seminar: Biological Mass Spectrometry; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1 credit) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Spring 2014

BIOE110 **Designing Quantitative Solutions for Energy**

BIOE110 Designing Quantitative Solutions for Energy; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: High School-level Algebra I, Algebra II, Trigonometry, and Pre-Calculus.
Provides skills to apply basic mathematics and design

VE01	Leigh Abts, Ian White, Toby Ratcliffe, Danny Barnes	Seats (Total: 100)
	Class time/details on ELMs	ONLINE
	Restricted to students in the VPP program.	

BIOE120 **Biology for Engineers**

BIOE120 *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fischell Department of Bioengineering department.
Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Instructor: TBA TuTh 2:00pm - 3:15pm Tu 5:00pm - 5:50pm	Seats (Total: 40) CHE 2110 PLS 1119	 Discussion
0102	Instructor: TBA TuTh 2:00pm - 3:15pm Th 5:00pm - 5:50pm	Seats (Total: 40) CHE 2110 PLS 1119	 Discussion
0201	Instructor: TBA MW 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 40) CSS 2324 CHE 2136	 Discussion
0202	Instructor: TBA MW 2:00pm - 3:15pm F 4:00pm - 4:50pm	Seats (Total: 40) CSS 2324 CHE 2136	 Discussion

BIOE121 **Biology for Engineers Laboratory**

BIOE121 *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Engineering: Bioengineering program. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Angela Jones M 10:00am - 10:50am W 10:00am - 12:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab
0102	Angela Jones M 10:00am - 10:50am W 1:00pm - 3:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab
0103	Angela Jones M 10:00am - 10:50am F 10:00am - 12:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab
0104	Angela Jones M 10:00am - 10:50am F 1:00pm - 3:00pm	Seats (Total: 20) CHE 2108 CHE 1145	 Lab

BIOE232 **Bioengineering Thermodynamics**

BIOE232 *(PermReq)* **Bioengineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261 and PHYS260; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320. A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Silvina Matysiak TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 30) EGR 1202 EGR 1108	 Discussion
0102	Silvina Matysiak TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 30) EGR 1202 EGR 0135	 Discussion

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 35) KEB 2111	
0201	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 35) KEB 2111	

0301	Hubert Montas MWF 3:00pm - 3:50pm	Seats (Total: 30) KEB 2111	

BIOE289A **Designing a Sustainable World**

BIOE289A Designing a Sustainable World; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Leigh Abts TuTh 12:30pm - 1:45pm	Seats (Total: 30) CCC 1111	

BIOE331 **Biofluids**

BIOE331 Biofluids; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and (ENES232 or BIOE232). Restriction: Must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENME331. Credit only granted for: BIOE331, ENCE305, or ENME331.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Christopher Jewell MW 12:30pm - 1:45pm F 1:00pm - 2:50pm	Seats (Total: 30) MCB 1207 PLS 1119	 Discussion
0102	Christopher Jewell MW 12:30pm - 1:45pm F 3:00pm - 4:50pm	Seats (Total: 30) MCB 1207 KEB 1200	 Discussion

BIOE332 **Transport Process Design**

BIOE332 *(PermReq)* **Transport Process Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and must have completed or be concurrently enrolled in BIOE331 or ENME331; and permission of ENGR-Fischell Department of Bioengineering department. Fluid flow, heat transfer, and mass transfer with applications in medicine, environment, biotechnology, food, agriculture, and other biosystems. Design of solutions to current problems in biological engineering is emphasized.

0101	Keith Herold	Seats (Total: 45)	
	TuTh 9:30am - 10:45am	CHM 1402	
	Tu 2:00pm - 2:50pm	ITV 1111	Discussion
0102	Keith Herold	Seats (Total: 45)	
	TuTh 9:30am - 10:45am	CHM 1402	
	Th 2:00pm - 2:50pm	ITV 1111	Discussion

BIOE340 **Modeling Physiological Systems and Lab**

BIOE340 Modeling Physiological Systems and Lab; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330, MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE340 or (BSCI440 and BSCI441). Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	Steven Jay	Seats (Total: 24)	
	MW 11:00am - 12:15pm	ITV 1111	
	Tu 5:00pm - 6:15pm	KEB 2107	Lab
	M 9:00am - 9:50am	EGR 1104	Discussion

BIOE371 **Bioengineering Math and Statistics**

BIOE371 *(PermReq)* **Bioengineering Math and Statistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in MATH246. This class will cover mathematics essentials that are required for bioengineering, specifically: statistics, linear algebra, differential equations, and feedback systems in biology. The course will emphasize fundamentals and numerical implementation (e.g. using Matlab). Example will be taken from bioengineering applications.

0101	Benjamin Shapiro	Seats (Total: 120)	
	MW 1:00pm - 1:50pm	CSS 2324	
	F 1:00pm - 2:50pm	CSS 2324	Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**

BIOE399H Independent Study in Bioengineering; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Adam Hsieh	Seats (Total: 25)
	Contact instructor or department for details.	
1901	William Bentley	Seats (Total: 5)
	Contact instructor or department for details.	
2005	Peter Kofinas	Seats (Total: 10)
	Contact instructor or department for details.	
2015	John Fisher	Seats (Total: 5)
	Contact instructor or department for details.	

BIOE411 **Tissue Engineering**

BIOE411 *(PermReq)* **Tissue Engineering; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed at least one biology course; and MATH241. Recommended: BSCI330 and BIOE340. Also offered as: CHBE487. Credit only granted for: BIOE411 or CHBE487.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Also offered as ENCH468T and ENCHT648T.

0101	John Fisher W 2:00pm - 4:30pm	Seats (Total: 20) EGR 2154	

BIOE420 **Bioimaging**

BIOE420 *(PermReq)* **Bioimaging; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program.* Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

0101	Yu Chen TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 45) CSS 2324 ITV 1111	 Discussion
0102	Yu Chen TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 45) CSS 2324 ITV 1111	 Discussion

BIOE431 **Fundamentals of Biosensor Techniques, Instrumentation, and Applications**

BIOE431 Fundamentals of Biosensor Techniques, Instrumentation, and Applications; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM135, PHYS161, PHYS261, and BSCI330. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.* A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 30) EGR 1108	

BIOE453 **Biomaterials**

BIOE453 *(PermReq)* **Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM231, MATH246, CHEM232, BIOE120, BIOE121, and BIOE241. Corequisite: BIOE454. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENMA425. Credit only granted for: ENBE453, BIOE453, or ENMA425. Formerly: ENBE453.* Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 103) CHE 2110	

BIOE457 **Biomedical Electronics & Instrumentation**

BIOE457 Biomedical Electronics & Instrumentation; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, BIOE241, and PHYS261. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Students learn fundamental concepts of electronics, assembly of electronic components into functional circuits, and integration of functional electronic devices and circuits into a system. In the lab component, students will learn to assemble and evaluate circuits and systems.

0101	Ian White, David Novy MW 2:00pm - 3:15pm F 10:00am - 11:15am	Seats (Total: 30) PLS 1140 ANS 0505	 Lab
0102	David Novy, Ian White MW 2:00pm - 3:15pm F 11:30am - 12:45pm	Seats (Total: 30) PLS 1140 ANS 0505	 Lab

BIOE486 **Capstone Design II**

BIOE486 *(PermReq)* **Capstone Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed BIOE485 in the immediately preceding semester. Restriction: Senior standing; and must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE486 or ENBE486. Formerly: ENBE486. This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

Contact department for information to register for this course.

BIOE489G **Special Topics in Bioengineering; Synthetic Biology**

BIOE489G *(PermReq)* **Special Topics in Bioengineering: Synthetic Biology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Edward Eisenstein	Seats (Total: 30)
	Th 5:00pm - 7:45pm	JMP 1202

BIOE606 **Laboratory Rotations II**

BIOE606 *(PermReq)* **Laboratory Rotations II; (1 credit)** Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (ENGR: PhD Only-Bioengineering (Master's); ENGR: PhD Only-Bioengineering (Doctoral)).* Provide students with the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn awide variety of laboratory techniques, become familiar with BIOE faculty, and develop insight into personal research interests and direction. Laboratory rotations are required in the Fall and Spring of the first year of the Ph.D. program. BIOE605: Laboratory Rotations 1 will be held in the Fall semester; BIOE606: Laboratory Rotations 2 will be held in the Spring semester.

0101	John Fisher	Seats (Total: 20)
	F 1:00pm - 1:50pm	EGR 1110

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD. For BIOE majors only.

0101	Ian White F 9:00am - 9:50am	Seats (Total: 40) KEB 1105

BIOE611 **Advanced Tissue Engineering**

BIOE611 Advanced Tissue Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: Must have completed at least one biology course; and MATH241. Recommended: BSCI330 and BIOE340.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Also offered as ENCH648T.

0101	John Fisher W 2:00pm - 4:30pm	Seats (Total: 10) EGR 2154

BIOE612 **Physiological Evaluation of Bioengineering Designs**

BIOE612 Physiological Evaluation of Bioengineering Designs; (3 credits) Grade Method: REG/AUD.
Bioengineering designs of biomaterials, biomedical devices, imaging and drug delivery agents, tissue engineering, prosthesis (among others), offer the opportunity to improve health care. This course is aimed at providing knowledge to lead bioengineering designs on the basis of biocompatibility and to provide tools to assess their patho-physiological impact in biological systems. For BIOE majors only.

0101	Silvia Muro TuTh 5:00pm - 6:15pm	Seats (Total: 30) CHE 2136
BI01	Silvia Muro Class time/details on ELMs *This section is restricted to Professional Master of Engineering or Gra uate Certificate of Engineering students.*	Seats (Total: 8) ONLINE

BIOE631 **Biosensor Techniques, Instrumentation, and Applications**

BIOE631 Biosensor Techniques, Instrumentation, and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE631, BIOE689Z, or CHPH718Z. Formerly: BIOE689Z. A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 10) EGR 1108
BI01	Ian White Class time/details on ELMs	Seats (Total: 5) ONLINE
	This section is restricted to Professional Master of Engineering or Graduate Certificate of Engineering students only.	

BIOE640 **Polymer Physics**

BIOE640 Polymer Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA471; or permission of instructor. Also offered as: ENMA620. Credit only granted for: ENMA620 or BIOE640. Graduate course covering theoretical aspects of the behavior of polymeric materials. It covers statistical properties and thermodynamics of single chain and multichain systems.

0101	Mohamad Al-Sheikhly, Robert Briber MW 5:00pm - 6:15pm	Seats (Total: 25) CHE 2145

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689B **Special Topics in Bioengineering; Biological Mass Spectrometry**

BIOE689B Special Topics in Bioengineering: Biological Mass Spectrometry; (3 credits) Grade Method: REG.
Also offered as BCHM676 and CHEM699A. Recommended that students have a m odest amount of formal biochemistry instruction.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BIOE689N **Special Topics in Bioengineering; Bionanotechnology**

BIOE689N Special Topics in Bioengineering: Bionanotechnology; (3 credits) Grade Method: REG.
Also offered as ENCH648N.

0101	Srinivasa Raghavan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2110

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL600 **Ethics in Scientific Research**

BIOL600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG. *Restriction: Must have completed at least one year of graduate study. Credit only granted for: BIOL600 or ZOOL600. Formerly: ZOOL600.* Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as CHEM648E, NACS600, and PSYC788B.

0101	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208
0102	Arthur Popper, Cynthia Moss W 3:00pm - 5:00pm	Seats (Total: 10) BPS 2249

BIOL608B **Biology Seminar; Seminar in Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Seminar in Behavior Ecology; (1 credit)** Grade Method: REG.

0101	Gerald Borgia Contact instructor or department for details.	Seats (Total: 10)

BIOL608F **Biology Seminar; Scientific Communication**

BIOL608F Biology Seminar: Scientific Communication; (2 credits) Grade Method: REG.

0101	Alexandra Bely Contact instructor or department for details.	Seats (Total: 15)

BIOL608K **Biology Seminar; Characterization and Evolution of Developmental Networks**

BIOL608K Biology Seminar: Characterization and Evolution of Developmental Networks; (2 credits) Grade Method: REG.

0101	Thomas Kocher Contact instructor or department for details.	Seats (Total: 10)

BIOL608Q **Biology Seminar; Readings in Neurophysiology**

BIOL608Q *(PermReq)* **Biology Seminar: Readings in Neurophysiology; (1 credit)** Grade Method: REG.

0101	Elizabeth Quinlan	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL708A **Advanced Topics in Biology; Cell Biology**

BIOL708A Advanced Topics in Biology: Cell Biology; (3 credits) Grade Method: REG.

0101	Stephen Wolniak	Seats (Total: 8)
	TuTh 8:00am - 9:15am	PLS 1140

BIOL708E **Advanced Topics in Biology; Diseases of the Nervous System**

BIOL708E Advanced Topics in Biology: Diseases of the Nervous System; (3 credits) Grade Method: REG.
Also offered as NACS728N.

0101	Joshua Singer	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	SYM 0200

BIOL708M **Advanced Topics in Biology; Mammalian Physiology**

BIOL708M Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Sergei Sukharev	Seats (Total: 20)
	MWF 9:00am - 9:50am	BPS 1250

BIOL709E **Selected Advanced Topics in Biology; Developmental Genetics**

BIOL709E Selected Advanced Topics in Biology: Developmental Genetics; (3 credits) Grade Method: REG/AUD.

0101	Eric Haag	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	BPS 1236

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Spring 2014

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.
Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 8:30am - 9:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0105	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 28) JMZ 0220 ANS 0473	Discussion
SG91	Christine Hakenkamp M 9:00am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 40) BLD3 3226 BLD1 206	
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BIOM602 **Biostatistics II**

BIOM602 Biostatistics II; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM601 or BIOM405. The principles of experimental design and analysis of variance and covariance.

0101	Bahram Momen TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 23) ANS 0422 ANS 0473	Lab

0102	Bahram Momen	Seats (Total: 23)	
	TuTh 2:00pm - 3:15pm	ANS 0422	
	Th 3:30pm - 5:30pm	ANS 0473	Lab

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM688E **Topics in Biometrics; Computational and Statistical Genomics**

BIOM688E Topics in Biometrics: Computational and Statistical Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Jiuzhou Song	Seats (Total: 20)
	MW 4:00pm - 5:15pm	ANS 0402

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Spring 2014

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	PHY 0405

BIPH699 **Research in Biophysics**

BIPH699 Research in Biophysics; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH898 **Pre-Candidacy Research**

BIPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Spring 2014

BMGT110 **Introduction to the Business Value Chain**

BMGT110 Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

0101	Howard Frank TuTh 12:30pm - 1:45pm	Seats (Total: 250) VMH 1524
0201	Jeff Miller MW 12:30pm - 1:45pm	Seats (Total: 250) VMH 1212

BMGT190H **Introduction to Design and Quality**

BMGT190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Restriction: Permission of BMGT-Robert H. Smith School of Business. Also offered as: ENES190. Credit only granted for: BMGT190 or ENES190.* Exposes engineering and business students to the principles of total quality, using experiential team-learning and technology-aided approaches. The first of four courses in total quality. Restricted to QUEST program students. Also offered as ENES190H.

0101	Joseph Bailey TuTh 12:30pm - 1:45pm W 7:00pm - 8:50pm	Seats (Total: 45) VMH 1303 VMH 1202	Discussion

BMGT198F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT198F *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.
Restricted to students in the Smith School's Freshman Fellows program.

FP01	Richard Hutchins **Meets January 27, 2014 - April 4, 2014** Th 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP02	Richard Hutchins **Meets January 27, 2014 - April 4, 2014** Th 3:30pm - 4:45pm	Seats (Total: 35) VMH 2203
FP03	Richard Hutchins **Meets January 27, 2014 - April 4, 2014** Tu 2:00pm - 3:15pm	Seats (Total: 35) VMH 2203
FP04	Hugh Turner **Meets January 27, 2014 - April 4, 2014** M 9:30am - 10:45am	Seats (Total: 35) VMH 2203
FP05	Hugh Turner **Meets January 27, 2014 - April 4, 2014** M 11:00am - 12:15pm	Seats (Total: 35) VMH 2203
FP06	Hugh Turner **Meets January 27, 2014 - April 4, 2014** M 12:30pm - 1:45pm	Seats (Total: 38) VMH 2203
FP07	Richard Hutchins **Meets January 27, 2014 - April 4, 2014** Tu 3:30pm - 4:45pm	Seats (Total: 35) VMH 2203

FP08	Hugh Turner **Meets January 27, 2014 - April 4, 2014** W 12:30pm - 1:45pm	Seats (Total: 35) VMH 2203	
FP09	Hugh Turner **Meets January 27, 2014 - April 4, 2014** W 9:30am - 10:45am	Seats (Total: 35) VMH 2203	
FP10	Hugh Turner **Meets January 27, 2014 - April 4, 2014** W 11:00am - 12:15pm	Seats (Total: 35) VMH 2203	

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Progyan Basu MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0102	Progyan Basu MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0103	Progyan Basu MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion
0104	Progyan Basu MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1202	 Discussion

0105	Progyan Basu MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1202	Discussion
0106	Progyan Basu MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1202	Discussion
0201	Progyan Basu MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1206	Discussion
0202	Progyan Basu MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1206	Discussion
0203	Progyan Basu MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1206	Discussion
0204	Progyan Basu MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1206	Discussion
0205	Progyan Basu MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1206	Discussion
0206	Progyan Basu MW 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1206	Discussion

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Gary Bulmash TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0102	Gary Bulmash TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0103	Gary Bulmash TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0104	Gary Bulmash TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0105	Gary Bulmash TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0106	Gary Bulmash TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1303	 Discussion
0201	Gary Bulmash TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0202	Gary Bulmash TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0203	Gary Bulmash TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion
0204	Gary Bulmash TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1307	 Discussion

0205	Gary Bulmash TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1307	Discussion
0206	Gary Bulmash TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1307	Discussion
0301	Gary Bulmash TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 VMH 1336	Discussion
0302	Gary Bulmash TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 VMH 1336	Discussion
0303	Gary Bulmash TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 VMH 1336	Discussion
0304	Gary Bulmash TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 VMH 1336	Discussion
0305	Gary Bulmash TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 VMH 1336	Discussion
0306	Gary Bulmash TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 VMH 1336	Discussion

BMGT221H **Principles of Accounting II**

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to Honors students with 24 hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Lei Zhou TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1206	
0201	Lei Zhou TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1206	

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

0101	Kazim Ruhi MW 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion
0102	Kazim Ruhi MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion
0103	Kazim Ruhi MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 19) VMH 1524 VMH 1415	 Discussion
0104	Kazim Ruhi MW 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion

0105	Kazim Ruhi MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1415	 Discussion
0106	Kazim Ruhi MW 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion
0107	Kazim Ruhi MW 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1415	 Discussion
0201	Kazim Ruhi MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1314	 Discussion
0202	Kazim Ruhi MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) VMH 1524 VMH 1314	 Discussion
0203	Kazim Ruhi MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1314	 Discussion
0204	Kazim Ruhi MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 25) VMH 1524 VMH 1314	 Discussion
0205	Kazim Ruhi MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 32) VMH 1524 VMH 1314	 Discussion
0206	Kazim Ruhi MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 20) VMH 1524 VMH 1314	 Discussion
0207	Kazim Ruhi MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1314	 Discussion

0301	Kazim Ruhi MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0302	Kazim Ruhi MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0303	Kazim Ruhi MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0304	Kazim Ruhi MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 23) VMH 1524 VMH 1418	Discussion
0305	Kazim Ruhi MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1418	Discussion
0306	Kazim Ruhi MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 32) VMH 1524 VMH 1418	Discussion
0307	Kazim Ruhi MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1418	Discussion

BMGT230B Business Statistics

BMGT230B Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to BMGT majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

0103	Kazim Ruhi MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 13) VMH 1524 VMH 1415	Discussion
0105	Kazim Ruhi MW 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1415	Discussion
0202	Kazim Ruhi MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 2) VMH 1524 VMH 1314	Discussion
0204	Kazim Ruhi MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 7) VMH 1524 VMH 1314	Discussion
0206	Kazim Ruhi MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 12) VMH 1524 VMH 1314	Discussion
0304	Kazim Ruhi MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 9) VMH 1524 VMH 1418	Discussion
0305	Kazim Ruhi MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1418	Discussion

BMGT289A **Social Enterprise: Changing the World through Innovation and Transformative Action**

BMGT289A Social Enterprise: Changing the World through Innovation and Transformative Action; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Halley Aelion W 5:00pm - 7:40pm	Seats (Total: 60) TYD 2109

BMGT289B **How Do Innovators Think?**

BMGT289B How Do Innovators Think?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Credit will be granted for only one of the following: BMGT289B or HONR289P.
Evening guest speakers 6pm-930pm on 2/6, 2/20, 3/6, 4/3, 4/17, and 5/1. Daytime meetings will be held every week.

0101	Mark Wellman Th 9:15am - 10:40am Th 6:30pm - 9:15pm	Seats (Total: 45) CCC 1100 VMH 1212
0201	Mark Wellman Th 10:55am - 12:20pm Th 6:30pm - 9:15pm *Restricted to College Park Scholars in Business, Society, and the Economy students.*	Seats (Total: 75) PLS 1130 VMH 1212

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

BMGT289E Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Jonathan Aberman MW 3:30pm - 4:45pm	Seats (Total: 60) TYD 2109

BMGT289K **Giving Voice To Values**

BMGT289K Giving Voice To Values; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Brian Nelson TuTh 3:30pm - 4:45pm	Seats (Total: 81) JMZ 0220

BMGT289L **The Proper Role of Government in a Free Enterprise System**

BMGT289L The Proper Role of Government in a Free Enterprise System; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Leland Gardner TuTh 8:00am - 9:15am	Seats (Total: 65) VMH 1330

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

0101	Zeinab Karake TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0201	Zeinab Karake TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412

0301	Brad Greenwood TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0401	Brian Butler TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0501	Zeinab Karake MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0601	Zeinab Karake MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
SG91	Brad Greenwood TuTh 9:30am - 10:45am *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 2230
SG92	Barnet Corwin TuTh 11:00am - 12:15pm *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 2230
SG93	Barnet Corwin TuTh 12:30pm - 1:45pm *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD3 2230

BMGT302 Designing Business Applications

BMGT302 Designing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.* A structured approach to business application development and programming is provided. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Woei-Jyh Lee TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 25) VMH 1311 VMH 2203	 Lab
0201	Woei-Jyh Lee MW 9:30am - 10:45am Th 6:00pm - 6:50pm	Seats (Total: 25) VMH 1311 VMH 2203	 Lab
0301	Woei-Jyh Lee MW 3:30pm - 4:45pm Th 7:00pm - 7:50pm	Seats (Total: 25) VMH 1311 VMH 2203	 Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. Restricted to Accounting and Finance majors with 53 credit hours completed.

0101	Stephen Brown MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1202	
0201	Mary Keim TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1336	
0301	Mary Keim TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1336	
0401	Mary Keim TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1336	

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG.
Prerequisite: BMGT310. Continuation of BMGT310.

0101	Oliver Kim MW 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1206
0201	Oliver Kim MW 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1206
0301	Stephen Brown TuTh 2:00pm - 3:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1303
0401	Stephen Brown TuTh 5:00pm - 6:15pm *Restricted to Accounting Majors with 60 credit hours completed.*	Seats (Total: 45) VMH 1335
SG91	Espey Browning MW 9:30am - 10:45am *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 2052
SG92	Espey Browning MW 11:00am - 12:15pm *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 2052

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. Restricted to Finance or Accounting majors with 53 credit hours completed.

0101	Michael Finch MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1307
0201	Michael Finch MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1307

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

0101	Martin Loeb MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1335
0201	Michael Finch TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1330
0301	Michael Finch TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1330

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

0101	Leslie Mostow MW 9:30am - 10:45am *Restricted to Accounting majors with 53 credit hours completed.*	Seats (Total: 42) VMH 1335
0201	Leslie Mostow MW 12:30pm - 1:45pm *Restricted to Accounting majors with 53 credit hours completed.*	Seats (Total: 42) VMH 1335
0301	Instructor: TBA MW 5:00pm - 6:15pm *Restricted to Accounting majors with 53 credit hours completed.*	Seats (Total: 42) VMH 1307
SG91	Alexander Ruygrok MW 9:30am - 10:45am *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 3052
SG92	Alexander Ruygrok MW 11:00am - 12:15pm *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 43) BLD2 3052

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT201 or BMGT301). A study of accounting systems and computer and communications technology. Restricted to Accounting majors with 60 credit hours completed.

0101	Jodell Johnson TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1202
0201	Jodell Johnson TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202
0301	Jodell Johnson MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418

0401	Elizabeth Folsom TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1303
SG91	Jodell Johnson MW 9:30am - 10:45am	Seats (Total: 35) BLD2 3022
	Restricted to Fall 2012 BMGT-Shady Grove cohor students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Jodell Johnson MW 11:00am - 12:15pm	Seats (Total: 35) BLD2 3022
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Bruce Golden TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1418
0201	Bruce Golden TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1418

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT231 or BMGT230). Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT majors with 53 credit hours completed. Interested students who don't meet restrictions should review their eligiblity for BMGT340N. Meets in a blended format. Approximately half of the scheduled face-to-face course meetings will be replaced by asynchronous online activities, including video lectures, quizzes, and graded assignments.

BL01	Susan White MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 54) VMH 1330 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL02	Susan White MW 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1330 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Karen Hallows TuTh 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL04	Michael Padhi MW 5:00pm - 6:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1412 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL05	Karen Hallows TuTh 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	
BL06	Karen Hallows TuTh 5:00pm - 6:15pm Class time/details on ELMs	Seats (Total: 60) VMH 1333 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

BL07	Karen Hallows TuTh 3:30pm - 4:45pm Class time/details on ELMs	Seats (Total: 60) VMH 1333 ONLINE

Blended Learning courses combine face-to-face and online interactions.

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT231 or BMGT230). Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to Agricultural and Resource Economics majors (0111C) with 53 credit hours completed.

BL01	Susan White MW 2:00pm - 3:15pm	Seats (Total: 6) VMH 1330

Blended Learning courses combine face-to-face and online interactions.

BMGT341 **Financial Markets**

BMGT341 Financial Markets; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Formerly: BMGT498G. Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets. Restricted to Finance majors with 60 credits completed.

0101	Julie Pavlovsky TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1303

BMGT341F **Financial Markets**

BMGT341F Financial Markets; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Formerly: BMGT498G. Shows the interconnectedness of the markets. The role of the Central bank and monetary policy is included in this context. Students develop an understanding of: (i) the determination of interest rates; (ii) financial instruments, markets and institutions; (iii) the impact of monetary policy on institutions; and (iv) how financial innovations create markets.

FP01	Julie Pavlovsky TuTh 9:30am - 10:45am *Restricted to Wall Street Fellows.*	Seats (Total: 40) VMH 1333

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

0101	Xiaohui Bakshi TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1303
0201	Xiaohui Bakshi TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1206
0301	Michael Padhi MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1333
0401	Michael Padhi MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1303

BMGT349F **Private Equity and Venture Capital; Private Equity and Venture Capital**

BMGT349F Private Equity and Venture Capital: Private Equity and Venture Capital; (3 credits) Grade Method: REG.
Restricted to students in the Private Equity and Venture Capital Clinic (FPPE) fellows program.

FP01	Mark Grovic Tu 12:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) VMH 2505

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 350N.

0101	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 60) VMH 1330
0201	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0301	Roxanne Lefkoff MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1412
0401	Roxanne Lefkoff MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1412
0501	Henry Boyd TuTh 12:30pm - 1:45pm	Seats (Total: 55) VMH 1212
0601	Henry Boyd TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1212
0701	Henry Boyd TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1212

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to Agricultural and Resource Economics (0111C) and Horticulture (0107C) majors with 53 credit hours completed.

0501	Henry Boyd TuTh 12:30pm - 1:45pm	Seats (Total: 5) VMH 1212

BMGT352 **Customer-Centric Innovation**

BMGT352 Customer-Centric Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch. Restricted to BMGT majors or students in the QUEST program with 60 credit hours completed.

0101	Yogesh Joshi TuTh 11:00am - 12:15pm	Seats (Total: 36) VMH 2203

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT220 and BMGT350. Planning and implementing retail marketing strategy. Store and nonstore (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

0101	Robert Fiddler MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1202

BMGT360 **Strategic Management of Human Capital**

BMGT360 Strategic Management of Human Capital; (3 credits) Grade Method: REG.

Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety. Restricted to students with 53 credit hours completed.

0101	James Spina MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0102	James Spina MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0103	James Spina MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0104	James Spina MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion

BMGT362 **Labor Relations**

Contact department for information to register for this course.

BMGT363 **Leadership and Teamwork in Organizations**

BMGT363 Leadership and Teamwork in Organizations; (3 credits) Grade Method: REG.

Credit only granted for: BMGT363 or BMGT498D. Formerly: BMGT498D. Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

0101	Jose Suarez MW 5:00pm - 6:15pm	Seats (Total: 45) VMH 1303
	Restricted to Management (0503G) majors with 53 credit hours completed.	
SG91	Myeong-Gu Seo MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 3202
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Management and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT364 **Managing People and Organizations**

BMGT364 Managing People and Organizations; (3 credits) Grade Method: REG. An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to BMGT majors with 53 credit hours completed. This course r equires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of approximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

0101	Lori Spina MW 9:30am - 10:45am	Seats (Total: 60) VMH 1528
0201	Lori Spina MW 11:00am - 12:15pm	Seats (Total: 60) VMH 1528
0301	Joo Han MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1528
0401	Joo Han MW 2:00pm - 3:15pm	Seats (Total: 60) VMH 1528
0501	Elijah Wee MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1528

0601	Elad Sherf TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1212
0701	Patricia Cleveland TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1212

BMGT364H **Managing People and Organizations**

BMGT364H *(PermReq)* **Managing People and Organizations; (3 credits)** Grade Method: REG.
An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Patricia Cleveland TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415

BMGT364N **Managing People and Organizations**

BMGT364N Managing People and Organizations; (3 credits) Grade Method: REG.
An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to Agricultural and Resource Economics (0111C) and Dietetics (1307D) majors with 53 credit hours completed. This course requires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of appoximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

0301	Joo Han MW 12:30pm - 1:45pm	Seats (Total: 20) VMH 1528

BMGT365 **Entrepreneurial Finance and Private Equity**

BMGT365 Entrepreneurial Finance and Private Equity; (3 credits) Grade Method: REG.

Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher. Studies venture capital and private equity using a combination of cases, lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest. Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Andrew Sherman Tu 6:15pm - 8:55pm	Seats (Total: 40) BLD2 1012
	Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG.

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to BMGT students with 45 credit hours completed.

0101	Michael Poerksen M 5:00pm - 5:50pm	Seats (Total: 75) VMH 1212
0201	Edward Lavino Tu 5:00pm - 5:50pm	Seats (Total: 75) VMH 1212
0301	Susan Powell W 5:00pm - 5:50pm	Seats (Total: 75) VMH 1212

0401	Tricia Giacone Th 5:00pm - 5:50pm	Seats (Total: 75) VMH 1212
0501	Instructor: TBA M 5:00pm - 5:50pm	Seats (Total: 75) VMH 1330
0601	Nina Maggio M 6:00pm - 6:50pm	Seats (Total: 75) VMH 1212

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT students with 53 credit hours completed.

0101	Geoffrey Milsom TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1202
0201	Geoffrey Milsom TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits)
Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.

0101	Stephanie Eckerd TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1206
0201	Kevin Sweeney TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 2511
0301	Jeff Miller MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1212
0401	Jeff Miller MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1202
0501	Jeff Miller MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1202
SG91	Richard Hutchins MW 9:30am - 10:45am *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 3219
SG92	Richard Hutchins MW 11:00am - 12:15pm *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space avaiable basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 3219

BMGT380 Business Law I

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.

0101	Burt Leete MW 9:30am - 10:45am	Seats (Total: 60) VMH 1333
0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 53) VMH 1333
0301	Richard Daniels MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1333
0401	William McClenahan TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0501	Justin Reyna TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1412
0601	Brian Nelson TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1330

BMGT380H **Business Law I**

BMGT380H *(PermReq)* **Business Law I; (3 credits)** Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT Honors students with 53 credit hours completed.

0101	William McClenahan MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1418

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to Agricultural and Resource Economics (0111C) majors with 53 credit hours completed.

0201	Burt Leete	Seats (Total: 7)
	MW 11:00am - 12:15pm	VMH 1333

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380; or permission of BMGT-Robert H. Smith School of Business. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan	Seats (Total: 60)
	MW 2:00pm - 3:15pm	VMH 1333

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit only granted for: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

0101	Kazim Ruhi	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	VMH 1307
0201	Kazim Ruhi	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	VMH 1307

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG.
Prerequisite: ENES190 or BMGT190; and must be a QUEST student. Also offered as: ENES390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly: BMGT498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1418
0201	Jose Suarez MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1418

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

0101	Wilbur Chung MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1418
SG91	Koki Nagata MW 9:30am - 10:45am *Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4211

SG92	Koki Nagata MW 11:00am - 12:15pm	Seats (Total: 50) BLD3 4211
	Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398A **Individual Study in Business and Management; Internship**

BMGT398A *(PermReq)* **Individual Study in Business and Management: Internship; (1-3 credits)** Grade Method: REG/P-F.
Restricted to Smith School of Business students. Interested students sho uld contact Ashlee Kerkhoff (akerkhof@rhsmith.umd.edu) for details and p ermission. Click here for more course information.

0101	Jeffrey Kudisch, Ashlee Kerkhoff Contact instructor or department for details.	Seats (Total: 30)
SG91	Jeffrey Kudisch, Ashlee Kerkhoff Contact instructor or department for details.	Seats (Total: 15)

BMGT398D **Individual Study in Business and Management; Practicum in Design and Quality**

BMGT398D Individual Study in Business and Management: Practicum in Design and Quality; (3 credits) Grade Method: REG.
Restricted to QUEST program students.

0101	Joseph Bailey W 6:00pm - 8:50pm	Seats (Total: 10) VMH 1415

BMGT398E **Individual Study in Business and Management; Social Entrepreneurship in Latin America**

BMGT398E Individual Study in Business and Management: Social Entrepreneurship in Latin America; (2 credits) Grade Method: REG.

0101	Susan White	Seats (Total: 25)
	Meets April 1, 2014 - May 13, 2014	
	Tu 6:00pm - 9:35pm	Location: TBA

BMGT398Q **Individual Study in Business and Management; Quantitative Finance Applications**

BMGT398Q Individual Study in Business and Management: Quantitative Finance Applications; (1 credit) Grade Method: REG/P-F.
Restricted to students in Smith School's Quantitative Finance Fellows program.

FP01	Charles LaHaie	Seats (Total: 35)
	F 2:00pm - 5:00pm	VMH 3505

BMGT398T **Individual Study in Business and Management; The External Transfer Student in Smith**

BMGT398T *(PermReq)* **Individual Study in Business and Management: The External Transfer Student in Smith; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to incoming Spring 2014 Smith School External Transfer students only.

0101	Jeanette Snider, Evan Riddle	Seats (Total: 30)
	Meets February 4, 2014 - April 1, 2014	
	Tu 5:00pm - 6:30pm	VMH 1336

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Recommended: BMGT302. The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization. Restricted to BMGT majors with 72 credit hours completed.

0101	Tianshu Sun	Seats (Total: 36)	
	TuTh 9:30am - 10:45am	VMH 1311	
	Th 5:00pm - 5:50pm	VMH 1311	Lab

BMGT402F **Database Systems**

BMGT402F Database Systems; (3 credits) Grade Method: REG. *Recommended: BMGT302.* The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization. Restricted to students in the Technology and Business Transformation Fel lows (FPTT).

FP01	Louiqa Raschid	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	VMH 1311	
	Th 6:00pm - 6:50pm	VMH 1311	Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Recommended: BMGT302.* Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 35)
	MW 12:30pm - 1:45pm	VMH 1311
0201	Zeinab Karake	Seats (Total: 35)
	Tu 7:00pm - 9:40pm	VMH 1311

BMGT404 **Developing Applications for Decision Analytics**

BMGT404 Developing Applications for Decision Analytics; (3 credits) Grade Method: REG.
Recommended: BMGT302. Focuses on developing skills relevant to the design and development of interactive business analytics applications. Students will learn to use Excel and Visual Basic for Applications (VBA) to develop applications for business production planning, resource allocation, budgeting, finance, and marketing, among others. Restricted to BMGT majors with 72 credits hours completed.

0101	Woei-Jyh Lee	Seats (Total: 30)
	MW 2:00pm - 3:15pm	VMH 1311

BMGT405 **Data Communications and Networking**

BMGT405 Data Communications and Networking; (3 credits) Grade Method: REG.
Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Concepts of business data communications and data processing. Application of these ideas in computer networks, including basic principles of telecommunications technology, computer network technology, data management in distributed database systems and management of the technical and functional components of telecommunications technology. Restricted to BMGT majors with 72 credit hours completed.

0101	Instructor: TBA	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	VMH 1311

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT403. Restriction: Senior standing. Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 35)
	MW 11:00am - 12:15pm	VMH 1311

0201	Hassan Ibrahim MW 5:00pm - 6:15pm	Seats (Total: 35) VMH 1311
0301	Hassan Ibrahim TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1311

BMGT410 **Government Accounting**

BMGT410 Government Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Credit only granted for: BMGT410 or BMGT428A. An introduction to the theory and practice of accounting and financial reporting as applied in both federal and state/local governments, with a focus on generally accepted accounting principles applicable in each. Topics include analyzing transactions; recognizing transactions in the accounting cycles; and preparing and analyzing financial statements and the overall financial reports at both the federal and state/local government levels. Restricted to Accounting majors with 60 credit hours completed.

0101	Samuel Handwerger TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1418

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Restriction: Must be in Accounting program. Analysis and discussion of issues relating to ethics and professionalism in accounting.

0101	Jim Staihar MW 2:00pm - 3:15pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 35) VMH 1415
0201	Jim Staihar MW 3:30pm - 4:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 35) VMH 1415
0301	Jim Staihar MW 12:30pm - 1:45pm *Restricted to Accounting majors with 86 credit hours completed.*	Seats (Total: 35) VMH 1415

0401	Stephen Loeb TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1307
	Restricted to Accounting majors with 86 credit hours completed.	
SG91	Nile Webb MW 9:30am - 10:45am	Seats (Total: 35) BLD3 3206
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Nile Webb MW 11:00am - 12:15pm	Seats (Total: 35) BLD3 3206
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed.

0101	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 30) VMH 1307
	Restricted to Accounting majors with 84 credit hours completed.	
0201	Eugene Cantor M 7:00pm - 9:40pm	Seats (Total: 30) VMH 1307
	Restricted to Accounting majors with 84 credit hours completed.	
SG91	Perry Sandler MW 12:30pm - 1:45pm	Seats (Total: 35) BLD2 3022
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

SG92	Perry Sandler MW 2:00pm - 3:15pm	Seats (Total: 35) BLD2 3022
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.	

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.

0101	James McKinney TuTh 12:30pm - 1:45pm *Restricted to Accounting majors.*	Seats (Total: 43) VMH 1335
0201	James McKinney TuTh 2:00pm - 3:15pm *Restricted to Accounting majors.*	Seats (Total: 43) VMH 1335
0301	Elizabeth Folsom TuTh 3:30pm - 4:45pm *Restricted to Accounting majors.*	Seats (Total: 43) VMH 1335

BMGT423 **Fraud Examination**

BMGT423 Fraud Examination; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Covers fraud prevention, detection and investigation techniques. The traditional accounting areas of fraud-fraudulent financial accounting and misappropriation of assets as well as recent and historical cases of fraud will also be examined. Current fraud topics will be discussed. Restricted to Accounting majors with 60 hours credit hours completed.

0101	Sandra Rose TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1418
0201	Sandra Rose TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1418

0301	Sandra Rose Tu 7:00pm - 9:40pm	Seats (Total: 45) VMH 1412

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to Accounting majors.

0101	Samuel Handwerger TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business. Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed or those in the Quantitative Finance Fellows Program.

0101	Shawn Mankad TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1307

BMGT431 **Data Analytics**

BMGT431 Data Analytics; (3 credits) Grade Method: REG.
Prerequisite: BMGT430. An introduction to the tools and techniques that are central to the analysis of abundant data that is being collected in many forms including web traffic, social network data, and reviews and comments on websites. Restricted to Business Analytics Fellows (FPBA).

FP01	Shawn Mankad MW 5:00pm - 6:15pm	Seats (Total: 40) VMH 1333

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or students who have taken courses with comparable content may contact the department. Recommended: MATH221; or MATH141. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Ilya Ryzhov MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1335

BMGT438D **Special Topics in Operations Management; Developing Business Relationships and Scoping the Consulting Project**

BMGT438D Special Topics in Operations Management: Developing Business Relationships and Scoping the Consulting Project; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to QUEST program students.

0101	Kylie King Tu 10:00am - 10:50am F 10:00am - 11:40am	Seats (Total: 10) CSI 3118 CSI 2107

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

0101	Dalida Kadyrzhanova MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	David Kass TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1202

0301	David Kass TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1333
0401	Dalida Kadyrzhanova MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1411

BMGT440F **Advanced Financial Management**

BMGT440F Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to students in the Smith School's Emerging CFO's Fellows program.

FP01	Susan White MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314

BMGT442F **Advanced Portfolio Management**

BMGT442F Advanced Portfolio Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT343; and must have completed or be concurrently enrolled in BMGT430 or ECON422. Credit only granted for: BMGT442 or BMGT448C. Formerly: BMGT448C.* An in-depth coverage of statistical methods for choosing stocks is provided. Financial markets data is used in the class. Students are also expected to learn and use Matlab during the class to implement the concepts of the class. Restricted to Quantitative Finance Fellows (FPQF).

FP01	Russell Wermers TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1330

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti MW 11:00am - 12:15pm	Seats (Total: 45) VMH 3505
0201	Joseph Perfetti MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 3505
0301	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 46) VMH 3505
0401	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 47) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG. *Prerequisite: BMGT343. Credit only granted for: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

0101	Dilip Madan M 7:00pm - 9:40pm	Seats (Total: 60) VMH 1303

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

0101	Elinda Kiss MW 9:30am - 10:45am	Seats (Total: 45) VMH 1336
0201	Elinda Kiss MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1336

0301	Elinda Kiss MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1336

BMGT445F **Banking and Financial Institutions**

BMGT445F Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to students in the Financial Services Fellows program.

FP01	Elinda Kiss MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1336

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

0101	Michael Lee MW 12:30pm - 1:45pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1411
0201	Kyounghun Bae MW 2:00pm - 3:15pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1411
0301	Donald Bowen TuTh 2:00pm - 3:15pm *Restricted to Finance and International Business majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1336

0401	Donald Bowen TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1336
	Restricted to Finance and International Business majors with 72 credit hours completed.	
SG91	Michael Lee TuTh 11:00am - 12:15pm	Seats (Total: 50) BLD3 4211
	Restricted to Fall 2012 BMGT-Shady Grove cohort students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Michael Lee TuTh 12:30pm - 1:45pm	Seats (Total: 50) BLD3 4211
	Restricted to Fall 2012 BMGT-Shady Grove cohort students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT448E **Special Topics in Finance; Computational Finance**

BMGT448E Special Topics in Finance: Computational Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Restricted to Finance majors with 72 credit hours completed.

FP01	Mark Taranto MW 11:00am - 12:15pm	Seats (Total: 41) VMH 1336

BMGT448F **Special Topics in Finance; Wall Street Finance**

BMGT448F *(PermReq)* **Special Topics in Finance: Wall Street Finance; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Junior Wall Street Fellows.

FP01	Julie Pavlovsky TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415

BMGT448J **Special Topics in Finance; Investment Banking**
Contact department for information to register for this course.

BMGT448N **Special Topics in Finance; Doing Business in Nicaragua: Microfinance and Social Value Creation**

Contact department for information to register for this course.

BMGT449F **Investment Fund Management: Lemma Senbet Fund; Investment Fund Management**

BMGT449F Investment Fund Management: Lemma Senbet Fund: Investment Fund Management; (3 credits) Grade Method: REG.
Restricted to students in the Smith School's Lemma Senbet Fund Fellows program.

FP01	Sarah Kroncke TuTh 10:30am - 12:20pm	Seats (Total: 12) VMH 3330H

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

0101	Anastasiya Pocheptsova TuTh 9:30am - 10:45am *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 32) VMH 1411
0201	Anastasiya Pocheptsova TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 32) VMH 1411
SG91	Robert Fiddler TuTh 9:30am - 10:45am *Restricted to Fall 2012 BMGT-Shady Grove cohort students and Fall 2013 BMGT-Shady Grove cohort students majoring in International Business. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 3219

SG92	Katherine Boyle TuTh 2:00pm - 3:15pm	Seats (Total: 45) BLD3 3220
	Restricted to Fall 2012 BMGT-Shady Grove cohort students. Other student may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT450F **Integrated Marketing Communications**

BMGT450F Integrated Marketing Communications; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354. In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to students in the Smith School's Sports Management Fellows and Music Management Fellows programs.

FP01	Robert Fiddler TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1307

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221. Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

0101	Marjorie Bonavia MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1206
	Restricted to Marketing majors with 68 credit hours completed.	
0201	Marjorie Bonavia MW 9:30am - 10:45am	Seats (Total: 35) VMH 1206
	Restricted to Marketing majors with 68 credit hours completed.	

0301	Katherine Boyle W 7:00pm - 9:40pm *Restricted to Marketing majors with 68 credit hours completed.*	Seats (Total: 35) VMH 1412
SG91	Simon Bensimon TuTh 11:00am - 12:15pm *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in International Business and Fall 2013 BMGT-Shady Grove students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) BLD3 4212

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG. *Prerequisite: BMGT350 and BMGT230.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results. Restricted to Marketing majors with 72 credit hours completed.

0101	Liye Ma MW 3:30pm - 4:45pm	Seats (Total: 32) VMH 1307
0201	Liye Ma MW 9:30am - 10:45am	Seats (Total: 32) VMH 1307
0301	Liye Ma MW 11:00am - 12:15pm	Seats (Total: 32) VMH 1307

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG. *Prerequisite: BMGT350.* Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. Restricted to BMGT majors with 72 credit hours completed.

0101	Amna Khawaja MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 2203
0201	M Fardanesh MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 2203

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.

SG91	Simon Bensimon MW 12:30pm - 1:45pm	Seats (Total: 50) BLD3 3240
	Restricted to Fall 2012 BMGT-Shady Grove cohort majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

0101	Mary Harms MW 9:30am - 10:45am	Seats (Total: 45) VMH 1202
	Restricted to Marketing majors with 100 credit hours completed.	

0201	Instructor: TBA MW 2:00pm - 3:15pm *Restricted to Marketing majors with 100 credit hours completed.*	Seats (Total: 45) VMH 1303
0301	Instructor: TBA MW 12:30pm - 1:45pm *Restricted to Marketing majors with 100 credit hours completed.*	Seats (Total: 45) VMH 1303
SG91	Simon Bensimon MW 2:00pm - 3:15pm *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available. basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 3240

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to BMGT majors with 72 credit hours completed. Non-majors sh ould register for BMGT461N.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1303
0201	Oliver Schlake M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1412

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT461.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 20) VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.
Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to students with 72 credit hours completed.

0101	Gosia Langa MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1411
0201	Patricia Cleveland W 5:00pm - 7:40pm	Seats (Total: 40) VMH 1418

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.
Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.

0101	Mark Wellman Th 3:35pm - 6:05pm	Seats (Total: 55) TYD 2106
	Restricted to International Business and Management majors with 72 credit hours completed.	
SG91	Elie Ashery MW 11:00am - 12:15pm	Seats (Total: 40) BLD3 3226
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT468B **Special Topics in Management and Organization; Doing Business in Emerging Markets**
Contact department for information to register for this course.

BMGT468L **Special Topics in Management and Organization; Innovation**

BMGT468L *(PermReq)* **Special Topics in Management and Organization: Innovation; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Wellman W 7:00pm - 9:45pm	Seats (Total: 33) Location: TBA
SG91	Mark Wellman W 7:00pm - 9:45pm	Seats (Total: 1) Location: TBA

BMGT468R **Special Topics in Management and Organization; Fearless Founders: New Venture Practicum**

BMGT468R *(PermReq)* **Special Topics in Management and Organization: Fearless Founders: New Venture Practicum; (3 credits)** Grade Method: REG/AUD. Restriction: Permission of BMGT-Robert H. Smith School of Business. Also offered as ENES498R.

0101	Elana Fine F 1:00pm - 4:00pm	Seats (Total: 26) VMH 1411

BMGT468W **Special Topics in Management and Organization; Social Innovation Practicum**

BMGT468W Special Topics in Management and Organization: Social Innovation Practicum; (3 credits) Grade Method: REG.
Restricted to Social Innovation Fellows.

FP01	Melissa Carrier	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	VMH 1415

BMGT469D **Management and Organization Short-term Study Abroad; Management and Organization Short-term Study Abroad: Dubai: Global Immersion Experience**
Contact department for information to register for this course.

BMGT470 **Carrier Management**

BMGT470 Carrier Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT370. The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to Supply Chain Management majors.

0101	Leland Gardner	Seats (Total: 40)
	TuTh 9:30am - 10:45am	VMH 2203

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to Supply Chain Management and Information Systems majors.

0101	Yan Dong	Seats (Total: 24)
	MW 2:00pm - 3:15pm	VMH 3522
0201	Heidi Celebi	Seats (Total: 24)
	MW 12:30pm - 1:45pm	VMH 3522

0301	Yan Dong TuTh 2:00pm - 3:15pm	Seats (Total: 24) VMH 3522
0401	Yan Dong TuTh 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522
0501	Isaac Elking TuTh 3:30pm - 4:45pm	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.

0101	Matthew Innes TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1335
	Restricted to Supply Chain Management majors and International Business majors.	
0201	Matthew Innes TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1335
	Restricted to Supply Chain Management majors and International Business majors.	
SG91	Koki Nagata MW 12:30pm - 1:45pm	Seats (Total: 40) BLD3 4211
	Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT478B **Special Topics in Supply Chain Management; Green Supply Chain**

BMGT478B Special Topics in Supply Chain Management: Green Supply Chain; (3 credits) Grade Method: REG.

Restricted to Supply Chain Management majors.

0101	Lisa Harrington M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1202

BMGT478C **Special Topics in Supply Chain Management; Supply Chain Risk Management**

BMGT478C Special Topics in Supply Chain Management: Supply Chain Risk Management; (3 credits) Grade Method: REG.
Restricted to Supply Chain Management majors.

0101	Leland Gardner TuTh 11:00am - 12:15pm	Seats (Total: 27) VMH 3522

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. Restricted to BMGT majors with 60 credit hours completed.

0101	Michael Trusov TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 3505
0201	Michael Trusov TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 3505
0301	Michael Trusov TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 3505

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1206
0201	Hassan Ibrahim Tu 7:00pm - 9:40pm	Seats (Total: 45) VMH 1335

BMGT487 **Six Sigma Innovation**

BMGT487 Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: STAT400, BMGT231, BMGT230, or ENME392. Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to students with 72 credits.

0101	Francis Alt TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1303

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

BMGT488A Special Topics in Logistics, Business, and Public Policy: Introduction to Sport Management; (3 credits) Grade Method: REG/P-F/AUD.

SA23	Instructor: TBA Contact instructor or department for details.	Seats (Total: 0)

BMGT488D **Special Topics in Logistics, Business, and Public Policy; Value Chain Challenges of the Cruise Ship Industry**

Contact department for information to register for this course.

BMGT488R **Special Topics in Logistics, Business, and Public Policy; International Business Law**

Contact department for information to register for this course.

BMGT488Y **Special Topics in Logistics, Business, and Public Policy; Corporate and Social Responsibility and Sustainable Business Practices**

Contact department for information to register for this course.

BMGT494H **Honors Study**

BMGT494H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG. *Prerequisite: BMGT493. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in the Smith School Honors Fellows program.* Second semester of the senior year. The student shall continue and complete the research initiated in BMGT 493, additional reports may be required at the discretion of the faculty advisor and Assistant Dean of Undergraduate Studies. Restricted to BMGT Honors students.

0101	Charles Olson	Seats (Total: 25)
	Contact instructor or department for details.	

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: BMGT364, BMGT350, and BMGT340. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise.

0101	Daniel Olson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	VMH 1206
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0201	Gosia Langa	Seats (Total: 35)
	TuTh 9:30am - 10:45am	VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	

0301	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0401	Bryan Stroube TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1411
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0501	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0601	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0701	W Knight TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0801	Protiti Dastidar TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
0901	James Dugan M 7:00pm - 9:40pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1001	Protiti Dastidar MW 9:30am - 10:45am	Seats (Total: 35) VMH 1415
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1101	Rafael Corredoira MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	
1201	James Spina MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
	Restricted to graduating BMGT majors with 100 credit hours completed.	

1301	Gosia Langa MW 2:00pm - 3:15pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1401	Rafael Corredoira MW 12:30pm - 1:45pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1330
1501	Rafael Corredoira MW 3:30pm - 4:45pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1314
1601	Protiti Dastidar MW 11:00am - 12:15pm *Restricted to graduating BMGT majors with 100 credit hours completed.*	Seats (Total: 35) VMH 1415
SG91	David Kressler TuTh 9:30am - 10:45am *Restricted to all Fall 2012 BMGT-Shady Grove cohort students. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD2 3022
SG92	Oliver Schlake TuTh 9:30am - 10:45am *Restricted to Fall 2012 BMGT-Shady Grove cohort students. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 3206
SG93	Oliver Schlake TuTh 11:00am - 12:15pm *Restricted to Fall 2012 BMGT-Shady Grove cohort students. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 3206
SG94	Paulo Prochno TuTh 11:00am - 12:15pm *Restricted to Fall 2012 BMGT-Shady Grove cohort students. UMCP BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 3225
SG95	Oliver Schlake TuTh 12:30pm - 1:45pm *Restricted to Fall 2012 BMGT-Shady Grove cohort students. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 35) BLD3 3206

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG.
Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business. A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

0101	Brian Nelson	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	VMH 1411
	Restricted to BMGT majors with 53 credit hours completed.	

BMGT496F **Business Ethics and Society**

BMGT496F Business Ethics and Society; (3 credits) Grade Method: REG.
Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business. A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment. Restricted to students in the Business Law Fellows program.

FP01	Brian Nelson	Seats (Total: 35)
	M 7:00pm - 9:40pm	VMH 1415

BMGT498B **Special Topics in Business and Management; Design in Marketing**

BMGT498B Special Topics in Business and Management: Design in Marketing; (3 credits) Grade Method: REG.
Restricted to BMGT majors with 60 credit hours completed. Not open to students in the Design and Innovation in Marketing fellows program.

0101	Mary Harms	Seats (Total: 36)
	MW 11:00am - 12:15pm	VMH 1518

BMGT498C **Special Topics in Business and Management; The Business of French and Dutch Design and Culture**
Contact department for information to register for this course.

BMGT498K **Special Topics in Business and Management; Consulting and Innovation Practicum**

BMGT498K Special Topics in Business and Management: Consulting and Innovation Practicum; (3 credits) Grade Method: REG.
Restricted to QUEST program students.

0101	David Ashley, Nicole Coomber	Seats (Total: 30)
	Tu 5:00pm - 7:40pm	VMH 1330

BMGT498N **Special Topics in Business and Management; International Negotiations**
Contact department for information to register for this course.

BMGT498P **Special Topics in Business and Management; Sociopolitical Perspective**
Contact department for information to register for this course.

BMGT499C **Advanced Business Topics; Executive Seminar in Logistics**

BMGT499C *(PermReq)* **Advanced Business Topics: Executive Seminar in Logistics; (1 credit)** Grade Method: REG.
Restricted to Supply Chain Management Fellows.

FP01	Lisa Harrington	Seats (Total: 30)
	Meets January 27, 2014 - March 15, 2014	
	Tu 7:00pm - 9:40pm	VMH 1307

BMGT499D **Advanced Business Topics; Healthcare IT**

BMGT499D Advanced Business Topics: Healthcare IT; (1 credit) Grade Method: REG.
Restricted to BMGT majors with 60 credit hours completed.

0101	Barnet Corwin	Seats (Total: 20)
	Meets March 24, 2014 - May 13, 2014	
	W 5:00pm - 6:50pm	VMH 1202

BMGT499E **Advanced Business Topics; Markets and Morality**

BMGT499E Advanced Business Topics: Markets and Morality; (1 credit) Grade Method: REG.
Restricted to any UM student with 60 or more credits. Click here for more course information.

0101	David Sicilia	Seats (Total: 35)
	Meets January 30, 2014 - March 14, 2014	
	W 7:00pm - 9:00pm	VMH 1303

BMGT808D **Special Topics in Information Systems; Information Systems Economics I**

BMGT808D Special Topics in Information Systems: Information Systems Economics I; (2 credits) Grade Method: REG/AUD.

0101	Il-Horn Hann, Sivakumar Viswanathan	Seats (Total: 12)
	Meets January 27, 2014 - March 14, 2014	
	F 3:00pm - 6:35pm	VMH 3332

BMGT808E **Special Topics in Information Systems; Information Systems Economics II**

BMGT808E Special Topics in Information Systems: Information Systems Economics II; (2 credits) Grade Method: REG/AUD.

0101	Sivakumar Viswanathan, Il-Horn Hann	Seats (Total: 12)
	Meets March 24, 2014 - May 13, 2014	
	F 3:00pm - 6:30pm	VMH 3332

BMGT808R **Special Topics in Information Systems; Research Seminar in Decision, Operations and Information Technologies**

BMGT808R Special Topics in Information Systems: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Il-Horn Hann	Seats (Total: 15)
	F 2:00pm - 3:30pm	VMH 1335

BMGT811 **Seminar in Financial Accounting**

BMGT811 Seminar in Financial Accounting; (3 credits) Grade Method: REG/AUD. Seminar in selected classic and current theoretical and empirical research in financial accounting.

0101	Rebecca Hann M 2:00pm - 5:00pm	Seats (Total: 12) VMH 3332

BMGT818R **Special Topics in Accounting and Information Assurance; Workshop in Accounting Research**

BMGT818R Special Topics in Accounting and Information Assurance: Workshop in Accounting Research; (1 credit) Grade Method: REG/AUD.

0101	Rebecca Hann F 12:00pm - 1:00pm	Seats (Total: 10) VMH 4335

BMGT818Y **Special Topics in Accounting and Information Assurance; Seminar in Accounting Research**

BMGT818Y Special Topics in Accounting and Information Assurance: Seminar in Accounting Research; (3 credits) Grade Method: REG/AUD.

0101	Emanuel Zur Tu 9:30am - 12:30pm	Seats (Total: 10) VMH 1326

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT833 **Operations Research: Integer Programming**

BMGT833 Operations Research: Integer Programming; (3 credits) Grade Method: REG/AUD.
Prerequisite: BMGT830; and (MATH241; or students who have taken courses with comparable content may contact the department). Or permission of BMGT-Robert H. Smith School of Business. Theory, applications, and computational methods of integer optimization. Zero-one implicit enumeration, branch and bound methods, and cutting plane methods.

0101	Michael Ball MW 5:00pm - 6:15pm	Seats (Total: 20) VMH 3330H

BMGT834 **Operations Research: Probabilistic Models**

BMGT834 Operations Research: Probabilistic Models; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH241; and (STAT400; or students who have taken courses with comparable content may contact the department). Or permission of BMGT-Robert H. Smith School of Business. Theoretical foundations for the construction, optimization, and applications of probabilistic models. Queuing theory, inventory theory, Markov processes, renewal theory, and stochastic linear programming.

0101	Ilya Ryzhov Th 3:30pm - 6:10pm	Seats (Total: 22) VMH 3330H

BMGT837 **Applied Multivariate Analysis**

BMGT837 Applied Multivariate Analysis; (3 credits) Grade Method: REG/AUD.
Recommended: BMGT836 or equivalent course. BMGT837 assumes working knowledge of matrices and elementary linear algebra and a sound understanding of univariate statistics, including random variables, statistical inference, ANOVA, and ordinary least squares regression. Multivariate statistical methods and their use in empirical research. Topics include: summarization and visualization of multivariate data, the multivariate normal distribution, tests on mean vectors, multivariate paired comparisons, multivariate analysis of variance, repeated measures designs, test on covariance matrices, discriminant analysis and classification, canonical correlation, principal components, factor analysis and cluster analysis. Maximum likelihood estimation and the likelihood ratio method of test construction.

0101	Francis Alt W 8:30am - 11:15am	Seats (Total: 12) VMH 3332

BMGT838O **Special Topics in Operations Management/Management Science; Seminar in Operations Management**

BMGT838O Special Topics in Operations Management/Management Science: Seminar in Operations Management; (3 credits) Grade Method: REG/AUD.

0101	Wedad Elmaghraby W 12:00pm - 3:00pm	Seats (Total: 8) VMH 4535

BMGT838R **Special Topics in Operations Management/Management Science; Research Seminar in Decision, Operations and Information Technologies**

BMGT838R Special Topics in Operations Management/Management Science: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Wedad Elmaghraby F 2:00pm - 3:30pm	Seats (Total: 15) VMH 1335

BMGT841 **Seminar in Corporate Finance**

BMGT841 Seminar in Corporate Finance; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of BMGT-Robert H. Smith School of Business.* Seminar in selected classic and current theoretical and empirical research in corporate finance.

0101	Richmond Mathews F 2:00pm - 4:40pm	Seats (Total: 12) VMH 4335

BMGT848B **Special Topics in Finance; Financial Research Methods**

BMGT848B Special Topics in Finance: Financial Research Methods; (1 credit) Grade Method: REG/AUD.

0101	Nagpurnanand Prabhala Contact instructor or department for details.	Seats (Total: 12)

BMGT848M **Special Topics in Finance; Seminar in Market Microstructure**

BMGT848M Special Topics in Finance: Seminar in Market Microstructure; (3 credits) Grade Method: REG/AUD.

0101	Albert Kyle M 1:00pm - 4:00pm	Seats (Total: 12) VMH 3330H

BMGT848R **Special Topics in Finance; Workshop in Finance Research**

BMGT848R Special Topics in Finance: Workshop in Finance Research; (1 credit) Grade Method: REG/AUD.

0101	Richmond Mathews F 9:00am - 12:00pm	Seats (Total: 12) VMH 1333

BMGT858C **Special Topics in Marketing; Consumer Behavior**

BMGT858C Special Topics in Marketing: Consumer Behavior; (3 credits) Grade Method: REG/AUD.

0101	Amna Khawaja W 9:00am - 12:00pm	Seats (Total: 12) VMH 3330H

BMGT858L **Special Topics in Marketing; Marketing Strategy**

BMGT858L Special Topics in Marketing: Marketing Strategy; (3 credits) Grade Method: REG/AUD.

0101	Roland Rust M 6:00pm - 8:40pm	Seats (Total: 12) VMH 3332

BMGT858R **Special Topics in Marketing; Marketing Research Seminar**

BMGT858R Special Topics in Marketing: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Liye Ma F 10:00am - 12:30pm	Seats (Total: 16) VMH 1335

BMGT868E **Special Topics in Organizational Behavior/Human Resource Management; Emotions in Organizations**

BMGT868E Special Topics in Organizational Behavior/Human Resource Management: Emotions in Organizations; (2 credits) Grade Method: REG/AUD.

0101	Myeong-Gu Seo **Meets January 23, 2014 - March 13, 2014** Th 9:00am - 12:10pm	Seats (Total: 12) VMH 4534

BMGT868F **Special Topics in Organizational Behavior/Human Resource Management; Factor Analysis and Structural Equation Modeling**

BMGT868F Special Topics in Organizational Behavior/Human Resource Management: Factor Analysis and Structural Equation Modeling; (1 credit) Grade Method: REG/AUD.

0101	Gilad Chen	Seats (Total: 12)
	Meets January 27, 2014 - February 10, 2014	
	M 8:50am - 1:00pm	VMH 4534

BMGT868I **Special Topics in Organizational Behavior/Human Resource Management; Employment relationship: Performance Management and Training**

BMGT868I Special Topics in Organizational Behavior/Human Resource Management: Employment relationship: Performance Management and Training; (2 credits) Grade Method: REG/AUD.

0101	Mary Taylor	Seats (Total: 12)
	Meets March 27, 2014 - May 8, 2014	
	Th 1:00pm - 4:35pm	VMH 4534

BMGT868J **Special Topics in Organizational Behavior/Human Resource Management; Moderation and Mediation**

BMGT868J Special Topics in Organizational Behavior/Human Resource Management: Moderation and Mediation; (1 credit) Grade Method: REG/AUD.

0101	Subrahmaniam Tangirala	Seats (Total: 12)
	Meets March 24, 2014 - April 7, 2014	
	M 9:00am - 1:10pm	VMH 4534

BMGT868P **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior and Human Resource Management Presentations**

BMGT868P Special Topics in Organizational Behavior/Human Resource Management: Organizational Behavior and Human Resource Management Presentations; (1 credit) Grade Method: REG/AUD.

0101	Hui Liao	Seats (Total: 10)
	Contact instructor or department for details.	

BMGT878C **Special Topics in Strategic Management and Entrepreneurship; Cross Discilpinary Workshop in Strategy and Entrepreneurship**

BMGT878C Special Topics in Strategic Management and Entrepreneurship: Cross Discilpinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	David Waguespack, Yue Zhou	Seats (Total: 13)
	Th 10:30am - 12:00pm	VMH 2509

BMGT878G **Special Topics in Strategic Management and Entrepreneurship; Endogeneity and Selection in Entrepreneurship and Strategic Management Research**

BMGT878G Special Topics in Strategic Management and Entrepreneurship: Endogeneity and Selection in Entrepreneurship and Strategic Management Research; (1 credit) Grade Method: REG/AUD.

0101	Brent Goldfarb	Seats (Total: 12)
	Meets January 22, 2014 - February 19, 2014	
	W 2:00pm - 5:10pm	VMH 2509

BMGT878N **Special Topics in Strategic Management and Entrepreneurship; Theory of the Firm**

BMGT878N Special Topics in Strategic Management and Entrepreneurship: Theory of the Firm; (2 credits) Grade Method: REG/AUD.

0101	Anil Gupta	Seats (Total: 12)
	Meets January 27, 2014 - March 15, 2014	
	M 1:30pm - 5:05pm	VMH 4534

BMGT878O **Special Topics in Strategic Management and Entrepreneurship; Organizational Economics**

BMGT878O Special Topics in Strategic Management and Entrepreneurship: Organizational Economics; (2 credits) Grade Method: REG/AUD.

0101	Rachelle Sampson	Seats (Total: 12)
	Meets March 24, 2014 - May 9, 2014	
	M 1:30pm - 5:05pm	VMH 4534

BMGT878P **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship PhD Presentations**

BMGT878P Special Topics in Strategic Management and Entrepreneurship: Strategy and Entrepreneurship PhD Presentations; (1 credit) Grade Method: REG/AUD.

0101	Rajshree Tronetti	Seats (Total: 30)
	Th 8:30am - 10:30am	VMH 2509

BMGT878Z **Special Topics in Strategic Management and Entrepreneurship; Intuitive Interpretation and Inference in Nonlinear Models**

BMGT878Z Special Topics in Strategic Management and Entrepreneurship: Intuitive Interpretation and Inference in Nonlinear Models; (1 credit) Grade Method: REG/AUD.

0101	Bennet Zelner	Seats (Total: 12)
	Meets March 26, 2014 - April 30, 2014	
	W 2:00pm - 5:10pm	VMH 2509

BMGT888E **Special Topics in Supply Chain Management; Empirical Research**

BMGT888E Special Topics in Supply Chain Management: Empirical Research; (3 credits) Grade Method: REG.

0101	Thomas Corsi	Seats (Total: 12)
	W 12:30pm - 3:00pm	VMH 3332

BMGT888T **Special Topics in Supply Chain Management; Transportation Economics**

BMGT888T Special Topics in Supply Chain Management: Transportation Economics; (3 credits) Grade Method: REG.

0101	Robert Windle	Seats (Total: 12)
	Tu 2:00pm - 4:40pm	VMH 3332

BMGT888W **Special Topics in Supply Chain Management; Workshop in Supply Chain Management**

BMGT888W Special Topics in Supply Chain Management: Workshop in Supply Chain Management; (1 credit) Grade Method: REG.

0101	Robert Windle	Seats (Total: 10)
	F 1:00pm - 2:30pm	VMH 3332

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Spring 2014

BSCI103 **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Computer, Mathematical and Natural Sciences departments, as indicated.
The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building; ENTM - Entomology, 4112 PLS Building).
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.
The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required, and what alternatives, if any, are available.
The College of Computer, Mathematical, and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
BSCI103 The World of Biology; (4 credits) Grade Method: REG. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

1100	Tammatha O'Brien, Michael Raupp TuTh 12:30pm - 1:45pm M 8:00am - 10:50am	Seats (Total: 23) ARC 0204 HJP 3239	 Lab
1101	Michael Raupp, Tammatha O'Brien TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 23) ARC 0204 HJP 3239	 Lab
1103	Tammatha O'Brien, Michael Raupp TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 23) ARC 0204 HJP 3239	 Lab

1105	Michael Raupp, Tammatha O'Brien TuTh 12:30pm - 1:45pm M 5:00pm - 7:50pm	Seats (Total: 23) ARC 0204 HJP 3239	 Lab
1107	Michael Raupp, Tammatha O'Brien TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) ARC 0204 HJP 3239	 Lab
1108	Michael Raupp, Tammatha O'Brien TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) ARC 0204 HJP 3239	 Lab

BSCI103M **The World of Biology**

BSCI103M *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Must be taken within 12 months of the semester in which BSCI 103 is taken. A student is eligible to take this course only if the lab scores received in BSCI 103 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 103M.

0101	Michael Raupp TuTh 12:30pm - 1:45pm	Seats (Total: 5) ARC 0204

BSCI105 **Principles of Biology I**

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5110	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) HJP 0226 HJP 1226	Lab
5113	Judd Nelson MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) HJP 0226 HJP 1229	Lab
5121	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 24) HJP 0226 HJP 1235	Lab
5122	Judd Nelson MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 24) HJP 0226 HJP 1236	Lab
5134	Judd Nelson MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 HJP 1226	Lab
5136	Judd Nelson MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 HJP 1235	Lab
5145	Judd Nelson MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) HJP 0226 HJP 1235	Lab
5153	Judd Nelson MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) HJP 0226 HJP 1229	Lab
5162	Judd Nelson MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 24) HJP 0226 HJP 1236	Lab
5164	Judd Nelson MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 24) HJP 0226 HJP 1226	Lab

5315	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5317	Patricia Shields MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5323	Patricia Shields MWF 1:00pm - 1:50pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1229	Lab
5325	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5326	Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5331	Patricia Shields MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5342	Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1236	Lab
5351	Patricia Shields MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1235	Lab
5354	Patricia Shields MWF 1:00pm - 1:50pm W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1226	Lab
5361	Patricia Shields MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	Lab

5365	Patricia Shields MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5370	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5372	Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5416	Kenneth Frauwirth TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5427	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5432	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5433	Kenneth Frauwirth TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab
5444	Kenneth Frauwirth TuTh 9:30am - 10:45am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5450	Kenneth Frauwirth TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5473	Kenneth Frauwirth TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1229	 Lab

SES1	James Sniezek Tu 6:00pm - 8:50pm Th 6:00pm - 9:00pm	Seats (Total: 23) PLS 1130 HJP 1226	 Lab
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI105C **Principles of Biology I**

BSCI105C Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. For BSCI, BCHM, and CHEM majors only.

5212	Norma Allewell MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5237	Norma Allewell MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5252	Norma Allewell MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 105 is taken. A student is eligible to take this course only if the lab scores received in BSCI 105 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 105M.

5191	Judd Nelson MWF 9:00am - 9:50am	Seats (Total: 5) HJP 0226	
5292	Norma Allewell MWF 10:00am - 10:50am	Seats (Total: 5) HJP 0226	
5393	Patricia Shields MWF 1:00pm - 1:50pm	Seats (Total: 5) BRB 1101	
5494	Kenneth Frauwirth TuTh 9:30am - 10:45am	Seats (Total: 5) HJP 0226	

BSCI105S **Principles of Biology I**

BSCI105S Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

5230	Norma Allewell MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5271	Norma Allewell MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.* Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

6115	Francisca Saavedra MWF 1:00pm - 1:50pm M 10:00am - 12:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6131	Francisca Saavedra MWF 1:00pm - 1:50pm Tu 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6135	Francisca Saavedra MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6142	Francisca Saavedra MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6144	Francisca Saavedra MWF 1:00pm - 1:50pm Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6162	Francisca Saavedra MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3217	 Lab
6174	Francisca Saavedra MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	 Lab
6224	David Inouye TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6226	David Inouye TuTh 12:30pm - 1:45pm M 10:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6241	David Inouye TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab

6245	David Inouye TuTh 12:30pm - 1:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6254	David Inouye TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6255	David Inouye TuTh 12:30pm - 1:45pm W 10:00am - 12:50pm	Seats (Total: 20) BRB 1101 HJP 3217	 Lab
6264	David Inouye TuTh 12:30pm - 1:45pm W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6281	David Inouye TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6282	David Inouye TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6284	David Inouye TuTh 12:30pm - 1:45pm Th 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
SES1	Marcia Shofner Tu 6:00pm - 8:50pm Th 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 20) PLS 1119 HJP 3217	 Lab

BSCI106M Principles of Biology II

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140.
Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 106 is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6140	Francisca Saavedra MWF 1:00pm - 1:50pm	Seats (Total: 3) HJP 0226	
6240	David Inouye TuTh 12:30pm - 1:45pm	Seats (Total: 3) BRB 1101	

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: ENTM)

0101	Earlene Armstrong, Christopher Taylor TuTh 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion
0102	Earlene Armstrong, Christopher Taylor TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) JMP 3201 PLS 1161	 Discussion

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with BSCI125).
Restriction: For non-science majors only; and must not have completed BSCI105. Additional information: CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

1001	Edgar Moctezuma TuTh 11:00am - 12:15pm	Seats (Total: 220) HJP 0226	

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *Corequisite: BSCI124. Restriction: For non-science majors only; and must not have completed BSCI105. Credit only granted for: BSCI105 or BSCI125. Additional information: CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125.* An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. CORE Lab Science. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

1104	Edgar Moctezuma M 12:00pm - 2:00pm	Seats (Total: 24) HJP 3237	Lab
1106	Edgar Moctezuma M 3:00pm - 5:00pm	Seats (Total: 24) HJP 3237	Lab
1108	Edgar Moctezuma Tu 12:30pm - 2:30pm	Seats (Total: 24) HJP 3237	Lab

1110	Edgar Moctezuma Tu 3:30pm - 5:30pm	Seats (Total: 24) HJP 3237	Lab
1112	Edgar Moctezuma W 9:00am - 11:00am	Seats (Total: 24) HJP 3237	Lab
1114	Edgar Moctezuma W 12:00pm - 2:00pm	Seats (Total: 24) HJP 3237	Lab
1116	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 24) HJP 3237	Lab
1118	Edgar Moctezuma Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 3237	Lab
1120	Edgar Moctezuma Th 3:30pm - 5:30pm	Seats (Total: 24) HJP 3237	Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: BSCI105; or students who have taken courses with comparable content may contact the department. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab

0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0113	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab

0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 25) BRB 1101 BPS 0205	Lab
SES1	Justicia Opoku-Edusei Th 6:00pm - 8:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BPS 1250 BPS 0205	Lab
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI202 **Human Anatomy and Physiology II**

BSCI202 Human Anatomy and Physiology II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201; or permission of CMNS-Biology department. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Tammatha O'Brien TuTh 8:00am - 9:15am M 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0102	Tammatha O'Brien TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab
0103	Tammatha O'Brien TuTh 8:00am - 9:15am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	Lab

0104	Tammatha O'Brien TuTh 8:00am - 9:15am M 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0105	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0106	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 12:30pm - 3:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0107	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 3:30pm - 6:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0108	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 6:30pm - 9:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0109	Tammatha O'Brien TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0110	Tammatha O'Brien TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0111	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0112	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0113	Tammatha O'Brien TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab

0114	Tammatha O'Brien TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0117	Tammatha O'Brien TuTh 8:00am - 9:15am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 and BSCI105; and must have completed or be concurrently enrolled in CHEM131 or CHEM103. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories. (Sponsoring Dept.: BSCI).

0101	Todd Cooke MWF 9:00am - 9:50am	Seats (Total: 89) PLS 1140	
0201	Jeffrey Firestone, Bretton Kent MWF 11:00am - 11:50am	Seats (Total: 210) BRB 1101	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and must have completed two semesters of chemistry. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

7106	David Straney MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion
7108	David Straney MWF 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 23) BRB 1101 HJP 3233	 Discussion

7110	David Straney MWF 10:00am - 10:50am M 3:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7112	David Straney MWF 10:00am - 10:50am M 5:00pm - 6:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7114	David Straney MWF 10:00am - 10:50am Tu 8:00am - 9:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7116	David Straney MWF 10:00am - 10:50am Tu 10:00am - 11:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7118	David Straney MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7120	David Straney MWF 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7124	David Straney MWF 10:00am - 10:50am W 8:00am - 9:50am	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7125	David Straney MWF 10:00am - 10:50am W 6:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7126	David Straney MWF 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7130	David Straney MWF 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion

7132	David Straney MWF 10:00am - 10:50am Th 6:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3233	Discussion
7210	David O'Brochta TuTh 12:30pm - 1:45pm Tu 4:00pm - 5:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7212	David O'Brochta TuTh 12:30pm - 1:45pm W 10:00am - 11:50am	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7214	David O'Brochta TuTh 12:30pm - 1:45pm W 12:00pm - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7216	David O'Brochta TuTh 12:30pm - 1:45pm W 2:00pm - 3:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7218	David O'Brochta TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7220	David O'Brochta TuTh 12:30pm - 1:45pm Th 8:00am - 9:50am	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7222	David O'Brochta TuTh 12:30pm - 1:45pm Th 10:00am - 11:50am	Seats (Total: 23) HJP 0226 HJP 3233	Discussion
7224	David O'Brochta TuTh 12:30pm - 1:45pm Tu 2:00pm - 3:50pm	Seats (Total: 23) HJP 0226 HJP 3233	Discussion

BSCI223 General Microbiology

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab; Signature Courses - I-Series.
Prerequisite: BSCI105. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG) Students must pay a $40.00 lab materials fee.

1021	Kevin McIver, John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1026	John Buchner, Kevin McIver TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1101	John Buchner, Kevin McIver TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1105	Kevin McIver, John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1106	John Buchner, Kevin McIver TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1121	John Buchner, Kevin McIver TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1126	Kevin McIver, John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1201	John Buchner, Kevin McIver TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab

1206	Kevin McIver, John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1221	Kevin McIver, John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1226	Kevin McIver, John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1301	John Buchner, Kevin McIver TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1306	Kevin McIver, John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1311	John Buchner, Kevin McIver TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	 Lab
SES1	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1201	 Lab
SES2	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) MCB 1207 MCB 1205	 Lab

BSCI258 College Park Scholars Internship

BSCI258 College Park Scholars Internship; (2 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BSCI).

8005	Reid Compton	Seats (Total: 90)
	Contact instructor or department for details.	

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279C **Supplemental Study; Catalyst Program Seminar**

BSCI279C *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.
(Sponsoring Dept: BIOL)

0101	Katerina Thompson	Seats (Total: 47)
	M 3:30pm - 5:00pm	BPS 1243

BSCI279H **Supplemental Study; Catalyst Program Seminar**

BSCI279H *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.

0101	Katerina Thompson	Seats (Total: 70)
	M 3:30pm - 5:00pm	BPS 1243

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Seminar**

BSCI279P *(PermReq)* **Supplemental Study: Undergraduate Teaching Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Francisca Saavedra	Seats (Total: 35)	
	TBA	PLS 1111	

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL).

0101	Daniel Butts, Ricardo Araneda, Elizabeth Quinlan, Patrick Kanold	Seats (Total: 10)	
	Contact instructor or department for details.		

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI283 **Principles of Microbiology**

BSCI283 Principles of Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and BSCI222. Credit only granted for: BSCI223 or BSCI283. Additional information: Priority given to BSCI, BCHM and CHEM majors.* Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts. (Sponsoring Dept.: CBMG). Students must pay a $40.00 lab materials fee.

1025	Richard Stewart, John Buchner	Seats (Total: 20)	
	MW 10:00am - 10:50am	MCB 1207	
	TuTh 9:00am - 10:50am	MCB 1205	Lab

1125	Richard Stewart, John Buchner MW 10:00am - 10:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) MCB 1207 MCB 1205	 Lab
1205	Richard Stewart, John Buchner MW 10:00am - 10:50am MW 12:00pm - 1:50pm	Seats (Total: 20) MCB 1207 MCB 1205	 Lab

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI288H **Internship**

BSCI288H *(PermReq)* **Internship; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. (Sponsoring Dept.: BSCI). Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). This requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson Contact instructor or department for details.	Seats (Total: 15)

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1016	Hilary Bierman Contact instructor or department for details.	Seats (Total: 5)	
1150	William Higgins Contact instructor or department for details.	Seats (Total: 5)	

BSCI329H **Instructional Assistance Practicum; Honors Instructional Assistance Practicum**

BSCI329H *(PermReq)* **Instructional Assistance Practicum: Honors Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

2080	Todd Cooke Contact instructor or department for details.	Seats (Total: 20)	
2350	Byrn Quimby Contact instructor or department for details.	Seats (Total: 20)	

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 lab materials fee.

0101	Richard Payne MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	 Lab

0102	Richard Payne MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0103	Richard Payne MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0104	Richard Payne MWF 9:00am - 9:50am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0105	Richard Payne MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0106	Richard Payne MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0107	Richard Payne MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0108	Richard Payne MWF 9:00am - 9:50am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0109	Richard Payne MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0110	Richard Payne MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0112	Richard Payne MWF 9:00am - 9:50am Th 6:30pm - 9:30pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab

1101	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1102	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1103	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Tu 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1104	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1106	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1107	Kan Cao, Hadiya Woodham TuTh 9:30am - 10:45am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1108	Hadiya Woodham, Kan Cao TuTh 9:30am - 10:45am Th 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
SES1	Hadiya Woodham, Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) BPS 1238 BPS 0213	 Lab

BSCI334 Mammalogy

BSCI334 Mammalogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI207 and BSCI106. Introduction to the biology of mammals, including evolution, physiological, and behavioral specializations. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and ECEV.

0101	Katerina Thompson TuTh 12:30pm - 1:45pm	Seats (Total: 75) PLS 1140	

BSCI335 **Mammalogy Laboratory**

BSCI335 Mammalogy Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI106; and must have completed or be concurrently enrolled in BSCI334. Lab and field techniques for the study of mammals, focusing on their identification, anatomy, histology, spatial distribution, ecology, and behavior. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

0101	Katerina Thompson Tu 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	Lab
0102	Katerina Thompson W 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	Lab

BSCI337 **Biology of Insects**

BSCI337 Biology of Insects; (4 credits) Grade Method: REG/AUD.
Prerequisite: BSCI106; or permission of CMNS-Biological Sciences UG Program. An overview of the biology, evolution and diversity of insects and their relatives. Insect morphology, physiology, behavior and ecology; the impact of insects on humanity and the management of pest insect populations; assembly of an insect collection is required. (Sponsoring Dept.: ENTM). Specialization Areas: GENB and ECEV. Students must pay a $40.00 laboratory materials fee.

0101	Charles Mitter, Ana Jesovnik, Jian Wang TuTh 9:30am - 10:45am Th 2:00pm - 4:50pm	Seats (Total: 18) PLS 1113 PLS 1161	Lab
0102	Charles Mitter, Jian Wang, Ana Jesovnik TuTh 9:30am - 10:45am Tu 2:00pm - 4:50pm	Seats (Total: 18) PLS 1113 PLS 1161	Lab

BSCI338C **Special Topics in Biology; Genomics of Sensory Systems**

BSCI338C Special Topics in Biology: Genomics of Sensory Systems; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 or permission of instructor. An advanced course covering topics on the molecular basis of senses and the application of genomic techniques to studies of sensory systems & sensory ecology. Applicable towards Biological Sciences Specializations: PHNB, GENB. Sponsoring Dept (BIOL).

0101	Karen Carleton	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	PLS 1119

BSCI338D **Special Topics in Biology; Complexity of Cancer**
Contact department for information to register for this course.

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**
Contact department for information to register for this course.

BSCI338J **Special Topics in Biology; Medical Exploration of HIV/AIDS**
Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**
Contact department for information to register for this course.

BSCI338N **Special Topics in Biology; Diseases of Nervous System**

BSCI338N Special Topics in Biology: Diseases of Nervous System; (3 credits)
Grade Method: REG/P-F/AUD.
(Sponsoring DEPT: BIOL). Prerequisite: BSCI330. (Sponsoring DEPT: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, ZOOL, and GENB. An advanced course covering the function and organization of the nervous system as revealed by pathology and disease.

0101	Joshua Singer	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	SYM 0200

BSCI338P **Special Topics in Biology; Pathophysiology of Circulatory System**

BSCI338P Special Topics in Biology: Pathophysiology of Circulatory System; (3 credits) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL). Acceptable towards Biological Sciences Speciailization Areas: ZOOL, PHNB, GENB, and CEBG. Prerequisite: BSCI230 or BSCI330; or permission of instructor. Seminar course focusing on the physiology of the cardiovascular system and on the rationales behind the development of specific drugs and intervention methodologies used in the treatments of pathological conditions.

0101	Ibrahim Ades	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PLS 1172	

BSCI338Q **Special Topics in Biology; Conservation Laboratory**

BSCI338Q Special Topics in Biology: Conservation Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL).Acceptable towards Biological Sciences Program Specialization Areas: ZOOL (EEB area); BEES (elective); GENB (category II). Also, acceptable as restricted elective in ENSP-Biodiversity and Conservation Biology. Pre- or corequisite: BSCI363. Students must pay a $40.00 lab materials fee.

0101	Keryn Gedan	Seats (Total: 22)	
	M 2:00pm - 4:50pm	HJP 3223	Lab
0103	Keryn Gedan	Seats (Total: 22)	
	W 2:00pm - 4:50pm	HJP 3223	Lab

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

Contact department for information to register for this course.

BSCI339C **Selected Topics in Biology; Cell Biology Lab**

BSCI339C *(PermReq)* **Selected Topics in Biology: Cell Biology Lab; (1 credit)**
Grade Method: REG/P-F/AUD.
Prerequisites: BSCI420. Credit will be granted for BSCI339C or BSCI421. Students must pay a $40.00 lab materials fee. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Stephen Wolniak Tu 1:00pm - 4:50pm	Seats (Total: 3) PLS 1171	Lab
0102	Stephen Wolniak W 1:00pm - 4:50pm	Seats (Total: 3) Location: TBA	Lab

BSCI339E **Selected Topics in Biology; Developmental Genetics**

BSCI339E Selected Topics in Biology: Developmental Genetics; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222 and BSCI430. Focus is place on the structure, expression and regulation of genes controlling plant and animal development. Sponsoring Dept. (BIOL).

0101	Eric Haag TuTh 3:30pm - 4:45pm	Seats (Total: 15) BPS 1236

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Scientific Teaching Internship**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Scientific Teaching Internship; (3 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: CBMG). Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Student must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Richard Stewart mith for application information: alec@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Richard Stewart	Seats (Total: 22)
	F 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348P **Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

BSCI348P *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Introductory Biology Curriculum and Instruction Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 10-10:50). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) or Kristy Hall Berk (khall@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

0101	Patricia Shields	Seats (Total: 20)
	W 10:00am - 10:50am	MCB 1123
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

0101	Najib El-Sayed Contact instructor or department for details.	Seats (Total: 10)	

BSCI353 **Principles of Neuroscience**

BSCI353 Principles of Neuroscience; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: PHYS122 or PHYS142.* Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.

0101	Patrick Kanold TuTh 11:00am - 12:15pm	Seats (Total: 150) BPS 1250	

BSCI360 **Principles of Animal Behavior**

BSCI360 Principles of Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222, BSCI106, and BSCI105.* Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation. (Sponsoring Dept.: BIOL). Acceptable toward Biological Science specialization areas: PHNB, and GENB.

0101	Gerald Borgia MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 20) PLS 1119 PLS 1168	 Discussion
0102	Gerald Borgia MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 20) PLS 1119 PLS 1168	 Discussion

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F.
Prerequisite: BSCI106; and (MATH130 or MATH140). Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions. (Sponsoring Dep.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	David Inouye TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	Seats (Total: 24) PLS 1130 PLS 1146	 Discussion
0102	David Inouye TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 24) PLS 1130 PLS 1115	 Discussion
0103	David Inouye TuTh 3:30pm - 4:45pm M 3:00pm - 3:50pm	Seats (Total: 24) PLS 1130 PLS 1180	 Discussion

BSCI363 **The Biology of Conservation and Extinction**

BSCI363 The Biology of Conservation and Extinction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction. (Sponsoring Dept.: BIOL). Prerequisite: BSCI 106. Acceptable toward Biological Sciences Specialization areas: ECEV and GENB. Instructor recommends that students register for both lecture and lab (BSCI 338Q). Registering for the lab is not required.

0101	Keryn Gedan MWF 11:00am - 11:50am	Seats (Total: 96) BPS 1243	

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106.* Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Sara Via	Seats (Total: 100)
	TuTh 9:30am - 10:45am	PLS 1140

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit) Grade Method: REG.
Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Corequisite: BSCI379H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for more course information.

0101	Wade Winkler	Seats (Total: 18)
	F 2:00pm - 2:50pm	BRB 3101

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. Click here for more course information.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: BIOL). Prerequisite: permission of department. Formerly ZOOL308H.

1000	Marjorie Reaka	Seats (Total: 35)
	M 4:00pm - 4:50pm	BPS 1208

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222. And must have completed CHEM233; or (CHEM231 and CHEM232). An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG) Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and ECEV.

0101	Jian Wang	Seats (Total: 45)
	MWF 11:00am - 11:50am	BPS 1250

BL01	Stephen Mount Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 95) CHM 1402 ONLINE	

Blended Learning courses combine face-to-face and online interactions.

BSCI412 **Microbial Genetics**

BSCI412 Microbial Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223 and BSCI222. A laboratory/lecture based course that covers the fundamentals of mutation, mobile genetic elements and transmission genetics of microbial organisms using both classical and molecular approaches. (Sponsoring Dept: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB, CEBG, and GENB. Students must pay a $40.00 lab materials fee.

0101	Vincent Lee TuTh 12:30pm - 1:30pm TuTh 1:30pm - 4:30pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0103	Vincent Lee TuTh 12:30pm - 1:30pm TuTh 1:30pm - 4:30pm	Seats (Total: 18) MCB 1207 MCB 1138	 Lab

BSCI413 **Recombinant DNA**
Contact department for information to register for this course.

BSCI416 **Human Genetics**

BSCI416 Human Genetics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Minimum grade of C- in BSCI410. Recommended: BSCI330.
Approaches to human genetics and applications to biology and medicine focusing on specific human genetic topics using primary research papers as the main resource.

0101	Louisa Wu, John Moult MW 3:30pm - 4:45pm	Seats (Total: 48) BPS 0283	

BSCI417 **Microbial Pathogenesis**

BSCI417 Microbial Pathogenesis; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BSCI223 and BSCI222. Restriction: Junior standing or higher. Credit only granted for: BSCI348M or BSCI417. Formerly: BSCI348M. Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution.

0101	Daniel Stein	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	BPS 1238	

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421. Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Stephen Wolniak	Seats (Total: 50)	
	TuTh 8:00am - 9:15am	PLS 1140	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330, BSCI222, CHEM231, and CHEM232. Credit only granted for: BSCI420 or BSCI421. Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Formerly PBIO 400 and ZOOL 411. Students must pay a $40.00 lab materials fee.

0101	Stephen Wolniak	Seats (Total: 20)	
	TuTh 8:00am - 9:15am	PLS 1140	
	Tu 1:00pm - 4:50pm	PLS 1171	Lab

0102	Stephen Wolniak TuTh 8:00am - 9:15am W 1:00pm - 4:50pm	Seats (Total: 20) PLS 1140 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG. *Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.* The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system. (Sponsoring Dept.: CMBG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG, and GENB. Also offered as CBMG699W.

0101	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) PLS 1140 BPS 1228	 Discussion
0102	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PLS 1140 BPS 1234	 Discussion
0103	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 BPS 1232	 Discussion
0104	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1140 BPS 1124	 Discussion
SG91	Scott Walsh TuTh 11:00am - 12:15pm *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other student to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.*	Seats (Total: 40) BLD2 3012	

BSCI423 **Immunology Laboratory**

BSCI423 Immunology Laboratory; (2 credits) Grade Method: REG. *Prerequisite: BSCI223 and BSCI222. Corequisite: BSCI422. Restriction: Junior standing or higher.* Current techniques for assessment of immune status and evaluation of the immune response, including monoclonal antibody production, Western blotting, cytokine assays, ELISA and flow cytometry. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas:PHNB, MICB, CEBG and GENB. Students must pay a $40.00 lab materials fee.

0101	Wenxia Song MW 2:00pm - 3:50pm	Seats (Total: 20) MCB 1143	Lab
0103	Wenxia Song MW 3:00pm - 4:50pm	Seats (Total: 20) MCB 1135	Lab

BSCI424 **Pathogenic Microbiology**
Contact department for information to register for this course.

BSCI430 **Developmental Biology**

BSCI430 Developmental Biology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 and BSCI330.* Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, ECEV, and GENB.

0101	William Jeffery TuTh 12:30pm - 1:45pm	Seats (Total: 70) PLS 1130
SES1	Instructor: TBA W 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 30) BPS 0283

BSCI433 **Biology of Cancer**

BSCI433 Biology of Cancer; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 and BSCI330; or permission of CMNS-Biological Sciences UG Program.* Causes and consequences of neoplastic transformations at the biochemical and cellular levels. (Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Ibrahim Ades TuTh 9:30am - 10:45am	Seats (Total: 100) BPS 1250
SG91	Beth Parent MW 9:30am - 10:45am	Seats (Total: 40) BLD2 1012
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Specialization Areas: MICB, CEBG, and GENB.

0101	Jeffrey DeStefano, Sabrina Kramer MWF 11:00am - 11:50am	Seats (Total: 80) MCB 1207

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, and GENB.

2201	Sergei Sukharev MWF 9:00am - 9:50am M 12:00pm - 1:50pm	Seats (Total: 32) BPS 1250 PLS 1111	Discussion
2202	Sergei Sukharev MWF 9:00am - 9:50am M 2:00pm - 3:50pm	Seats (Total: 32) BPS 1250 PLS 1111	Discussion
2203	Sergei Sukharev MWF 9:00am - 9:50am Tu 2:00pm - 3:50pm	Seats (Total: 32) BPS 1250 BPS 1124	Discussion
2206	Sergei Sukharev MWF 9:00am - 9:50am F 2:00pm - 3:50pm	Seats (Total: 32) BPS 1250 PLS 1113	Discussion
2301	William Higgins TuTh 8:00am - 9:15am M 12:00pm - 1:50pm	Seats (Total: 31) MMH 1400 BPS 1124	Discussion
2302	William Higgins TuTh 8:00am - 9:15am Tu 2:00pm - 3:50pm	Seats (Total: 31) MMH 1400 HBK 0105	Discussion
2303	William Higgins TuTh 8:00am - 9:15am W 10:00am - 11:50am	Seats (Total: 31) MMH 1400 PLS 1117	Discussion
2304	William Higgins TuTh 8:00am - 9:15am W 12:00pm - 1:50pm	Seats (Total: 31) MMH 1400 BPS 1124	Discussion
2305	William Higgins TuTh 8:00am - 9:15am W 10:00am - 11:50am	Seats (Total: 31) MMH 1400 PLS 1113	Discussion

SES1	William Higgins Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm	Seats (Total: 30) PLS 1140 PLS 1140	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	David Sandstrom MWF 11:00am - 12:15pm	Seats (Total: 45) BLD1 203	
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in BSCI440. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Program Specialization Areas: PHNB and GENB). Students must pay a $40.00 lab materials fee.

0101	Hilary Bierman M 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0103	Hilary Bierman M 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0104	Hilary Bierman M 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0106	Hilary Bierman M 1:00pm - 1:50pm Th 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

0107	Hilary Bierman	Seats (Total: 20)	
	M 1:00pm - 1:50pm F 10:00am - 1:50pm	BPS 1243 PLS 1181	Lab

BSCI446 **Neural Systems**

BSCI446 Neural Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330 or BSCI230.* Neural development, followed by sensory, motor and integrative system organization in the central nervous system.

0101	Ricardo Araneda	Seats (Total: 35)
	TuTh 8:00am - 9:15am	BPS 1238

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330, CHEM241, and CHEM242.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring Dept.: ENTM). Acceptable toward Biological Sciences Specialization Areas: PHNB and GENB.

0101	Tammatha O'Brien	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	PLS 1140

BSCI454 **Neurobiology Laboratory**

BSCI454 Neurobiology Laboratory; (1 credit) Grade Method: REG. *Prerequisite: Minimum grade of C- in BSCI330, CHEM231, CHEM232, and PHYS122. Corequisite: BSCI453 or BSCI446.* Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle. (Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a $40.00 laboratory materials fee.

SG91	David Sandstrom	Seats (Total: 20)	
	Tu 2:00pm - 5:00pm	BLD2 4012	Lab
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

SG92	David Sandstrom	Seats (Total: 20)	
	Th 2:00pm - 5:00pm	BLD2 4012	Lab
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.		

BSCI462 **Population Ecology**

BSCI462 Population Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH130 and BSCI106.* Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics.

0101	Abigail Kula	Seats (Total: 40)
	MW 9:30am - 10:45am	BPS 0283

BSCI473 **Marine Ecology**

BSCI473 Marine Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207.* Courses in evolution and animal behavior are strongly recommended. A detailed analysis of the evolutionary ecology of marine invertebrates; emphasis on testing of theories and on current literature.

0101	Marjorie Reaka	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	HBK 0115

BSCI480 **Arthropod Form and Function**

BSCI480 Arthropod Form and Function; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Permission of CMNS-Biological Sciences UG Program.* Survey of the morphological, systematic and physiological diversity of the phylum Arthropoda.

0101	Jeffrey Shultz	Seats (Total: 20)	
	MWF 10:00am - 10:50am	PLS 1146	
	M 2:00pm - 4:50pm	PLS 1161	Lab

BSCV CIVICUS Spring 2014

BSCV182 **Civicus and Service-Learning**

BSCV182 Civicus and Service-Learning; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: BSCV191 and BSCV181; and must have completed or be concurrently enrolled in SOCY105. Restriction: Must be in the Civicus program. Credit only granted for: BSOS182 or BSCV182. Formerly: BSOS182.* Students will examine domestic societal issues and their national, regional, and local dimensions from political, economic, and policy perspectives. Students will work with local direct service non-profit organizations.

0101	Sue Briggs M 3:30pm - 5:15pm	Seats (Total: 28) SOM 0101
0201	Julie Randolph, Sue Briggs Tu 3:30pm - 5:15pm	Seats (Total: 26) SOM 0101
0301	Julie Randolph, Madeline Prebil Th 3:30pm - 5:15pm	Seats (Total: 28) SOM 0101

BSCV302 **Civicus Capstone**

BSCV302 Civicus Capstone; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCV301. Restriction: Sophomore standing or higher. Credit only granted for: BSOS302 or BSCV302. Formerly: BSOS302.* Capstone course required for CIVICUS citation. Supervised internship, community service, or research project on civil society topic. Application and continued study of skills and concepts, grounded in the social sciences, relevant to understanding and effectively dealing with contemporary social issues.

0101	Sue Briggs M 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101
0201	Sue Briggs Tu 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101
0301	Sue Briggs W 6:00pm - 8:00pm Contact instructor or department for details.	Seats (Total: 25) SOM 0101

BSCV309 **Civicus Seminar**

BSCV309 Civicus Seminar; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 3)	
0201	Sue Briggs Contact instructor or department for details.	Seats (Total: 10)	

BSGC Global Communities Spring 2014

BSGC102 **Global Issues**

BSGC102 Global Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: BSGC101. Restriction: Must be in Global Communities Living-Learning program. An in-depth exploration of the ways in which globalization affects different issue areas, such as food security, disease, war, and the environment. Contending approaches to resolving problems, and evaluation of different policy options.

0101	Virginia Haufler Tu 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 25) TYD 2106 DOR 0128		Discussion
0102	Virginia Haufler Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) TYD 2106 DOR 0128		Discussion
0103	Virginia Haufler Tu 3:30pm - 4:45pm Th 9:30am - 10:45am	Seats (Total: 25) TYD 2106 DOR 0128		Discussion

BSGC302 **BSGC 302 Capstone: Global Connections**

BSGC302 BSGC 302 Capstone: Global Connections; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Must be in Global Communities Living-Learning program. By permission only (BPO). Additional information: This course is limited to second-year students in the Global Communities Living-Learning Program who have completed or are in the midst of completing their Global Experience requirement. Final component of the Global Communities curriculum. The course connects the global experience with previous BSGC coursework.

0101	Virginia Haufler	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

BSGC386 **Experiential Learning in Global Communities: Global Internship**

BSGC386 Experiential Learning in Global Communities: Global Internship; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Global Communities Living-Learning program. Credit only granted for: BSGC398E or BSGC386. Formerly: BSGC398E. Experiential Learning in Global Communities: Global Internship, will give students an opportunity to connect theory with practice.

0101	Natalie Vinski	Seats (Total: 10)
	Contact instructor or department for details.	

BSGC398A **BSGC Experiential Learning in Global Communities: Global Service; Alternative Break/International Service**

BSGC398A *(PermReq)* **BSGC Experiential Learning in Global Communities: Global Service: Alternative Break/International Service; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Global Communities Living-Learning program. GC students who receive acceptance into select Alternate Breaks or International Service programs can apply for Global Experience credit by enrolling in BSGC 398A. This course will meet periodically throughout the semester and will require directed readings, reflective writings, and projects related to your Alternative Break/International Service experience.

0101	Rebecca Thomas	Seats (Total: 30)
	Contact instructor or department for details.	

BSGC399 **Topical Investigations in Global Communities**

BSGC399 Topical Investigations in Global Communities; (1-3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Global Communities Living-Learning Program.

0101	Virginia Haufler	Seats (Total: 5)
	Contact instructor or department for details.	

BSOS Behavioral and Social Sciences Spring 2014

BSOS248A **Leadership Seminar I; Leadership Seminar I Ambassadors**
Contact department for information to register for this course.

BSOS258P **Leadership Practicum I; Leadership Practicum I (Peer Mentors)**
Contact department for information to register for this course.

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**
Contact department for information to register for this course.

BSOS348A **Leadership Seminar II; Leadership Seminar II Ambassadors**
Contact department for information to register for this course.

BSOS358A **Leadership Practicum II**
Contact department for information to register for this course.

BSOS358D **Leadership Practicum II; Leadership Practicum II DSAC**
Contact department for information to register for this course.

BSOS358L **Leadership Practicum II; DSAC Officers**
Contact department for information to register for this course.

BSOS358P **Leadership Practicum II; Peer Mentors**
Contact department for information to register for this course.

BSOS386 **Experiential Learning**
Contact department for information to register for this course.

BSOS388B **Behavioral and Social Sciences Special Topics; Innovation and Social Change: Do Good Now**

BSOS388B *(PermReq)* **Behavioral and Social Sciences Special Topics: Innovation and Social Change: Do Good Now; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

Also offered as HONR348D and PUAF388D. Credit will be granted for BSOS388B, HONR348D or PUAF388D. BSOS students will join interdisciplinary teams to innovate for good! This seminar goes beyond the traditional lecture course by combining the imagination and creativity of transformative action for the social good with the pragmatic approach of entrepreneurship and innovation. It is team-based, highly interactive and dynamic, and provides an opportunity for students to generate solutions to a wide range of problems facing many communities today. Some teams will have the opportunity to apply for seed funds and complete in the campus-wide Do Good Challenge in late spring 2014. For permission to register, email blessing@umd.edu with your UID, name, and the reason you are interested in taking the class.

0201	Dorith Grant-Wisdom	Seats (Total: 10)	
	MW 1:00pm - 1:50pm	TYD 2108	
	W 5:00pm - 5:50pm	TYD 2108	Discussion

BSOS388D **Behavioral and Social Sciences Special Topics; BSOS Solutions Lab: Careers Paths for Business Entrepreneurs**

BSOS388D *(PermReq)* **Behavioral and Social Sciences Special Topics: BSOS Solutions Lab: Careers Paths for Business Entrepreneurs; (1 credit)** Grade Method: REG/P-F/AUD.

Explore the skills and mindset of successful business entrepreneurs. Learn how to apply behavioral and social sciences research methods and tools to effectively market yourself and your ideas in all kinds of business and professional settings. Learn how to navigate career resources and meet BSOS Alumni Entrepreneurs who serve as consultants a nd mentors in the BSOS Solutions Lab. For permission to enroll, email Blessing Enekwe at blessing@umd.edu with your name, UID, and a brief statement about why you wish to enroll in this course.

0101	Crystal Sehlke	Seats (Total: 20)
	Th 5:00pm - 6:30pm	HBK 3134

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**
Contact department for information to register for this course.

BSOS388I	**Behavioral and Social Sciences Special Topics; Social Science Internship Practicum** **Contact department for information to register for this course.**
BSOS388Q	**Behavioral and Social Sciences Special Topics; CESAR Directed Study** **Contact department for information to register for this course.**
BSOS399	**Directed Study in Behavioral and Social Sciences** **Contact department for information to register for this course.**
BSOS399C	**Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study** **Contact department for information to register for this course.**
BSOS399G	**Directed Study in Behavioral and Social Sciences; Global Scholars Capstone** **Contact department for information to register for this course.**
BSOS399P	**Directed Study in Behavioral and Social Sciences; Undergraduate Research** **Contact department for information to register for this course.**
BSOS399Q	**Directed Study in Behavioral and Social Sciences; CESAR** **Contact department for information to register for this course.**
BSOS448C	**Teaching Assistant Practicum; Civicus** **Contact department for information to register for this course.**
BSOS448I	**Teaching Assistant Practicum; Internship** **Contact department for information to register for this course.**
BSOS448T	**Teaching Assistant Practicum; Teaching Assistant Practicum (UNIV)** **Contact department for information to register for this course.**
BSOS448W	**Teaching Assistant Practicum; Global Communities** **BSOS448W Teaching Assistant Practicum: Global Communities; (1 credit)** Grade Method: REG. 0101 Virginia Haufler Seats (Total: 5) Contact instructor or department for details.

BSST Terrorism Studies Spring 2014

BSST331 **Response to Terrorism**

BSST331 *(PermReq)* **Response to Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in the Terrorism Studies minor program. Credit only granted for: BSOS331 or BSST331. Formerly: BSOS331. Explores the manners in which a variety of different actors respond to both terrorist incidents and the threat of terrorism. Examines local responses to terrorists incidents; local impacts of terrorism including effects on individual and group attitudes and behaviors; policy decisions made in response to both terrorist attacks and the threat of terrorism; terrorism prevention, deterrence, interdiction, and mitigation efforts; and individual and community recovery from terrorist attacks.

0101	Katherine Izsak	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1121

BSST338F **Special Topics in Terrorism Studies; Media in War and Crisis**
Contact department for information to register for this course.

BSST338I **Special Topics in Terrorism Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

BSST338N **Special Topics in Terrorism Studies; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

BSST338R **Special Topics in Terrorism Studies; Peace & Conflict Honors Seminar II: Regional Conflicts**
Contact department for information to register for this course.

BSST399D **Individual Study in Terrorism Studies; Emerging Global Security Issues, Part IV**

BSST399D *(PermReq)* **Individual Study in Terrorism Studies: Emerging Global Security Issues, Part IV; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Brandon Behlendorf	Seats (Total: 6)
	Contact instructor or department for details.	

BSST399E **Individual Study in Terrorism Studies; Experimental Criminology in Cyberspace: How Does Warning and Surveillance impact Attackers Behavior?**

Contact department for information to register for this course.

BSST399T **Individual Study in Terrorism Studies; Teaching Terrorism**

BSST399T *(PermReq)* **Individual Study in Terrorism Studies: Teaching Terrorism; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact department for information to register.

Contact department for information to register for this course.

BSST399X **Individual Study in Terrorism Studies; Expanding Access to Security Studies Education Seminar Part II**

BSST399X *(PermReq)* **Individual Study in Terrorism Studies: Expanding Access to Security Studies Education Seminar Part II; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 6)
	Contact instructor or department for details.	

BSST399Y **Individual Study in Terrorism Studies; Career Exploration for Underrepresented Minorities in National Security, Part II**

BSST399Y *(PermReq)* **Individual Study in Terrorism Studies: Career Exploration for Underrepresented Minorities in National Security, Part II; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 8)
	Contact instructor or department for details.	

BSST399Z **Individual Study in Terrorism Studies; Cyber Security and Digital Terrorism, Part II**

BSST399Z *(PermReq)* **Individual Study in Terrorism Studies: Cyber Security and Digital Terrorism, Part II; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Katherine Izsak	Seats (Total: 3)
	Contact instructor or department for details.	

BSST630 **Motivations and Intents of Terrorists and Terrorist Groups**

BSST630 Motivations and Intents of Terrorists and Terrorist Groups; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the Terrorism Analysis Graduate Certificate Program. Credit only granted for: BSOS630 or BSST630. Formerly: BSOS630. Examines motivations for terrorism from an interdisciplinary perspective, with emphasis on political and applied social psychological perspective. Topics may include: defining terrorism; preconditions; recruitment; domestic and international terrorism; and case studies and analysis of terrorist organizations.

ST01	Anthony Lemieux	Seats (Total: 35)
	Meets March 1, 2014 - May 21, 2014	
	W 7:00pm - 9:30pm	ONLINE
	Contact instructor or department for details.	

BUAC Accounting and Information Assurance — Spring 2014

BUAC711 **Financial Planning and Control Systems for Managers and Consultants**

BUAC711 Financial Planning and Control Systems for Managers and Consultants; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI611, BUSI681, and BUSI630; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT711 and BUAC711. Formerly: BMGT711. This course provides an analysis of several topics concerning financial planning/control systems (management accounting systems). Topics covered: design and use of cost management systems (including activity based costing systems), financial performance measures for enhancing firm value, managerial incentive contracts and accounting data, management accounting and Internet-based transactions, managing earnings and financial ratios, use of balanced scorecard to evaluate financial/nonfinancial managerial performance, management accounting systems and competitor analysis, behavioral aspects of budgeting, post-auditing of capital investments, accounting/economics aspects of information security, and transfer pricing.

DC06	Lawrence Gordon	Seats (Total: 40)
	Meets January 25, 2014 - March 15, 2014	
	Sa 8:40am - 12:50pm	DC C6
	Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.	

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

DC06	Partha Sengupta	Seats (Total: 40)
	Meets January 25, 2014 - March 15, 2014	
	Sa 1:40pm - 5:50pm	DC C1
	Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.	
GS01	Gary Bulmash	Seats (Total: 40)
	Meets January 21, 2014 - March 7, 2014	
	Tu 6:25pm - 10:00pm	BLD2 3032

BUAC758C **Special Topics in Accounting and Information Assurance; Federal Income Taxation of Corporations**

BUAC758C Special Topics in Accounting and Information Assurance: Federal Income Taxation of Corporations; (2 credits) Grade Method: REG/AUD.

DC06	Eugene Cantor	Seats (Total: 40)
	Meets March 22, 2014 - May 17, 2014	
	Sa 8:40am - 12:50pm	DC C2
	Meets 3/22, 3/29, 4/12, 4/19, 4/26, 5/10, Final 5/17.	

BUAC758T **Special Topics in Accounting and Information Assurance; Taxation for Individuals**

BUAC758T Special Topics in Accounting and Information Assurance: Taxation for Individuals; (2 credits) Grade Method: REG.

0501	Jeffrey Milton	Seats (Total: 35)
	Meets March 24, 2014 - May 9, 2014	
	TuTh 8:30am - 10:20am	VMH 1511
	For MS in Accounting students only.	

0502	Jeffrey Milton **Meets March 24, 2014 - May 9, 2014** TuTh 10:30am - 12:20pm *For MS in Accounting students only.*	Seats (Total: 35) VMH 1511
GS06	Instructor: TBA **Meets March 29, 2014 - May 17, 2014** Sa 1:15pm - 4:50pm *For MS in Accounting students only. Meets 3/29, 4/5, 4/12, 4/26, 5/3, 5/10, 5/17.*	Seats (Total: 45) BLD2 2032

BUAC758V **Special Topics in Accounting and Information Assurance; Taxation of Corporations and Other Entities**

BUAC758V Special Topics in Accounting and Information Assurance: Taxation of Corporations and Other Entities; (2 credits) Grade Method: REG.
Co-requisite: BUAC758T. Students who have not previously taken BUAC758T must register for both BUAC758T and BUAC758V in the same semester.

0501	Samuel Handwerger **Meets March 24, 2014 - May 9, 2014** F 9:00am - 12:35pm *For MS in Accounting students only.*	Seats (Total: 45) VMH 1412
0502	Jeffrey Milton **Meets March 24, 2014 - May 9, 2014** F 1:25pm - 5:00pm *For MS in Accounting students only.*	Seats (Total: 45) VMH 1412

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC786 **Internal Auditing I: Conceptual and Institutional Framework**

BUAC786 *(PermReq)* **Internal Auditing I: Conceptual and Institutional Framework; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Provides students with an overview and basic understanding of internal auditing. Internal audit's role in internal control, risk management, business processes and risks, and Sarbanes-Oxley, Section 404 compliance efforts compliance efforts are considered. Internal auditing is presented as an integral part of effective corporate governance. Examples of assurance and consulting activities undertaken by the internal audit function, as well as the sourcing strategy (i.e., full insourcing, co-sourcing or full outsourcing models) are discussed. Students ae introduced tointernal control theory, test design concepts and internal auditing bestpractices.

GS06	Alan Siegfried, Elizabeth Folsom	Seats (Total: 0)
	Meets January 11, 2014 - March 22, 2014	
	Sa 8:30am - 12:15pm	BLD2 2032
	For MS in Accounting students only. Meets 1/11, 1/18, 1/25, 2/1, 2/8, 2/15, 2/22, 3/1, 3/8, 3/15, Final 3/22.	

BUAC787 **Internal Auditing II: Internal Audit Application and Practice**

BUAC787 Internal Auditing II: Internal Audit Application and Practice; (3 credits) Grade Method: REG.
Prerequisite: BUAC786. Restriction: Must be in Business and Management (Master's) program. This advanced internal auditing course contains an in-depth coverage of the internal audit process. Students receive experience in planning and conducting internal audit assurance and consulting engagements. Also, students build on the theory and techniques introduced in Internal Auditing I, through practical, in-depth coverage of specific audit areas. Other matters covered include audit evidence, workpapers, audit sampling, and communicating of engagement results. Internal auditing case studies are used to reinforce the learning process.

0501	Alan Siegfried, Elizabeth Folsom	Seats (Total: 55)
	Meets March 24, 2014 - May 9, 2014	
	TuTh 6:30pm - 9:15pm	VMH 1333
	For MS in Accounting students only.	

BUAC790 **Informtion Security, Audit and Control**

BUAC790 *(PermReq)* **Informtion Security, Audit and Control; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Builds on basic information technology (IT) courses, focusing on key issues including IT security, IT controls, and IT auditing. Addressing issues such as auditing a computer information system; assessing risks; identifying control objectives; identifying appropriate audit procedures; learning the concepts and basic features or audit software thereby providing the tools for choosing audit software; conducting an operational audit basic controls over computer information systems; and developing world-class IT control frameworks.

0501	Alan Siegfried, Matthew Gagnon **Meets January 21, 2014 - March 10, 2014** MW 6:30pm - 9:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1330
0502	Alan Siegfried, Matthew Gagnon **Meets January 21, 2014 - March 10, 2014** TuTh 6:30pm - 9:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333
GS06	David Sites **Meets January 11, 2014 - March 22, 2014** Sa 1:15pm - 5:00pm *For MS in Accounting students only. Meets 1/11, 1/18, 1/25, 2/1, 2/8, 2/15, 2/22, 3/1, 3/8, 3/15, Final 3/22.*	Seats (Total: 0) BLD2 2032

BUDT Decision and Information Technologies — Spring 2014

BUDT706 **Social Media and Web 2.0**

BUDT706 Social Media and Web 2.0; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Over the past years, social computing technologies such as online communities, blogs, wikis, and social networking systems have become important tools for individuals to seek information, socialize with others, get support, collaborate on work, and express themselves. Increasingly, businesses are trying to leverage web 2.0 by using social computing technologies to communicate with customers, employees, and other business partners or to build new business models. This course will review concepts and principles related to web 2.0 and examine issues and strategies associated with business use of social computing technologies.

0501	Anand Gopal **Meets January 21, 2014 - March 10, 2014** MW 1:00pm - 2:50pm *For MS in Information Systems students only.*	Seats (Total: 62) VMH 1511
BA01	Anand Gopal **Meets January 21, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BA 103

BUDT732 **Decision Analytics**

BUDT732 Decision Analytics; (2 credits) Grade Method: REG.
Prerequisite: BUSI630. Credit only granted for: BMGT732 or BUDT732. Formerly: BMGT732. Analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.

0101	Pamela Armstrong **Meets January 21, 2014 - March 10, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1520
0501	Pamela Armstrong **Meets January 21, 2014 - March 10, 2014** TuTh 10:30am - 12:20pm *For MS in Information Systems students only.*	Seats (Total: 50) VMH 1520

DC01	Instructor: TBA **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 43) DC C2

BUDT733 **Data Mining and Predictive Analytics**

BUDT733 Data Mining and Predictive Analytics; (2 credits) Grade Method: REG. *Prerequisite: BUSI630. Credit only granted for: BMGT733 or BUDT733. Formerly: BMGT733.* Data mining techniques and their use in business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering.

0101	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 55) VMH 1511
GS01	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUDT758E **Special Topics in Decision, Operations and Information Technologies; Enterprise Architecture**

BUDT758E Special Topics in Decision, Operations and Information Technologies: Enterprise Architecture; (2 credits) Grade Method: REG.

0501	Daniel Spar **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *For MS in Information Systems students only. First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) VMH 1333

BUDT758F **Special Topics in Decision, Operations and Information Technologies; Google Online Challenge and Analytics**

BUDT758F Special Topics in Decision, Operations and Information Technologies: Google Online Challenge and Analytics; (4 credits) Grade Method: REG.

0501	Sivakumar Viswanathan, Il-Horn Hann	Seats (Total: 30)
	Meets January 24, 2014 - May 9, 2014	
	MW 8:30am - 10:20am	VMH 1505
	For MS in Information Systems students only.	

BUDT758G **Special Topics in Decision, Operations and Information Technologies; Global Delivery of IT and Service Innovations**

BUDT758G Special Topics in Decision, Operations and Information Technologies: Global Delivery of IT and Service Innovations; (2 credits) Grade Method: REG.

0501	David McCue	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	M 6:25pm - 10:00pm	VMH 1335
	For MS in Information Systems students only.	

BUDT758K **Special Topics in Decision, Operations and Information Technologies; Computer Simulation for Business Applications**

BUDT758K Special Topics in Decision, Operations and Information Technologies: Computer Simulation for Business Applications; (2 credits) Grade Method: REG.

0501	Sean Barnes	Seats (Total: 35)
	Meets March 24, 2014 - May 9, 2014	
	TuTh 8:30am - 10:20am	VMH 1518
	For MS in Information Systems students only.	

BUDT758L **Special Topics in Decision, Operations and Information Technologies; Mobile App Development**

BUDT758L Special Topics in Decision, Operations and Information Technologies: Mobile App Development; (2 credits) Grade Method: REG.

0501	Emily Kowalczyk, Atif Memon	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	TuTh 11:00am - 12:50pm	VMH 1520
	For MS in Information Systems students only.	

BUDT758M **Special Topics in Decision, Operations and Information Technologies; Healthcare Information Systems**

BUDT758M Special Topics in Decision, Operations and Information Technologies: Healthcare Information Systems; (2 credits) Grade Method: REG.

0501	Barnet Corwin	Seats (Total: 35)
	Meets March 24, 2014 - May 9, 2014	
	MW 3:00pm - 4:50pm	VMH 1518
	For MS in Information Systems students only.	

BUDT758Q **Special Topics in Decision, Operations and Information Technologies; IS Security**

BUDT758Q *(PermReq)* **Special Topics in Decision, Operations and Information Technologies: IS Security; (2 credits)** Grade Method: REG.

0501	Donald Riley	Seats (Total: 0)
	Meets March 24, 2014 - May 9, 2014	
	MW 10:30am - 12:20pm	VMH 1511
	For MS in Information Systems students only.	

BUDT758R **Special Topics in Decision, Operations and Information Technologies; Operations and Supply Chain Strategy**

BUDT758R Special Topics in Decision, Operations and Information Technologies: Operations and Supply Chain Strategy; (2 credits) Grade Method: REG.

DC01	Pamela Armstrong	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	Th 6:25pm - 10:00pm	DC C2

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.* Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

0101	Michael Ball	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	TuTh 8:30am - 10:20am	VMH 1520

BUFN Finance Spring 2014

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN738A **Investment Fund Management; Investment Fund Management: Mayer Fund**
Contact department for information to register for this course.

BUFN738B **Investment Fund Management; New Market's Venture Fund**
Contact department for information to register for this course.

BUFN740 **Capital Markets**

BUFN740 Capital Markets; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

0101	Michael Padhi	Seats (Total: 35)
	Meets January 21, 2014 - March 10, 2014	
	TuTh 3:00pm - 4:50pm	VMH 1518

GS01	Michael Padhi	Seats (Total: 45)
	Meets January 21, 2014 - March 7, 2014	
	Th 6:25pm - 10:00pm	BLD2 2052

BUFN750 **Valuation in Corporate Finance**

Any remaining seats in BUFN courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUFN course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUFN750 Valuation in Corporate Finance; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN714 or BUFN750. Formerly: BUFN714.* An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

0101	Dalida Kadyrzhanova	Seats (Total: 40)
	Meets January 21, 2014 - March 10, 2014	
	MW 3:00pm - 4:50pm	VMH 1520
0201	Dalida Kadyrzhanova	Seats (Total: 40)
	Meets January 21, 2014 - March 10, 2014	
	MW 1:00pm - 2:50pm	VMH 1520

BA01	Dalida Kadyrzhanova **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 45) BA 103
DC06	Bharat Jain **Meets January 25, 2014 - March 15, 2014** Sa 8:40am - 12:50pm *Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.*	Seats (Total: 45) DC C1

BUFN751 **Financial Strategy For Corporations**

BUFN751 Financial Strategy For Corporations; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* An advanced course in corporate finance, focusing on the issues that firms face when they plan to raise external capital from financial markets. The focus is on the financing problems faced by mid-market to large firms and on capital raised from public markets. The forms of external finance vary from simple debt or equity to more complex securities that bundle with an element of risk management.

0101	Michael Faulkender **Meets March 24, 2014 - May 9, 2014** MW 1:00pm - 2:50pm	Seats (Total: 45) VMH 1511
DC01	Michael Faulkender **Meets March 24, 2014 - May 9, 2014** W 6:25pm - 10:00pm	Seats (Total: 45) DC C2

BUFN752 **Financial Restructuring**

BUFN752 Financial Restructuring; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.* Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

0501	Richmond Mathews **Meets March 24, 2014 - May 9, 2014** MW 10:30am - 12:20pm *For MS in Finance students only.*	Seats (Total: 50) VMH 1520
BA01	Richmond Mathews **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 103
DC06	Bharat Jain **Meets March 22, 2014 - May 17, 2014** Sa 1:40pm - 5:50pm *Meets 3/22, 3/29, 4/12, 4/19, 4/26, 5/10, Final 5/17.*	Seats (Total: 40) DC C2
DC51	Richmond Mathews **Meets March 24, 2014 - May 9, 2014** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 50) DC C2

BUFN753 **Corporate Governance and Performance**

BUFN753 Corporate Governance and Performance; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Deals with corporate governance and its impact on shareholder value. Divergence of interests between corporate insiders and providers of funds leads to agency problems which can impair corporate performance and shareholder value. Various instruments of corporate governance - internal as well as external mechanisms - that can help align managerial incentives with those of outside investors, and hence help restore shareholder value will be studied.

DC01	James Campbell **Meets January 21, 2014 - March 7, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C2

DC51	James Campbell	Seats (Total: 50)
	Meets January 21, 2014 - March 7, 2014	
	Th 2:00pm - 5:35pm	DC C2
	For MS in Finance students only.	

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

0501	Clifford Rossi	Seats (Total: 35)
	Meets January 21, 2014 - March 10, 2014	
	MW 1:00pm - 2:50pm	VMH 1518
	For MS in Finance students only.	

BUFN755 **Entrepreneurial Finance and Private Equity**

BUFN755 Entrepreneurial Finance and Private Equity; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI647 or BUFN755. Formerly: BUSI647. An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

0501	Xiaohui Bakshi **Meets March 24, 2014 - May 9, 2014** TuTh 3:00pm - 4:50pm *For MS in Finance Students only.*	Seats (Total: 50) VMH 1520
DC01	James Campbell **Meets March 24, 2014 - May 9, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) DC C2
DC51	James Campbell **Meets March 24, 2014 - May 9, 2014** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 50) DC C2

BUFN758D **Special Topics in Finance; Financial Data Modeling**

BUFN758D Special Topics in Finance: Financial Data Modeling; (2 credits) Grade Method: REG.

DC51	Olesya Grishchenko **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm *For MS in Finance students only.*	Seats (Total: 50) DC C4

BUFN758M **Special Topics in Finance; Hedge Fund Management**

BUFN758M Special Topics in Finance: Hedge Fund Management; (2 credits) Grade Method: REG.

0501	Kenneth Brodkowitz **Meets January 21, 2014 - March 10, 2014** TuTh 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 35) VMH 1518

BUFN758N **Special Topics in Finance; Financial Econometrics**

BUFN758N Special Topics in Finance: Financial Econometrics; (2 credits) Grade Method: REG.

0501	Instructor: TBA **Meets January 16, 2014 - March 7, 2014** M 5:00pm - 8:35pm *For MS in Finance students only. First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 55) VMH 1336
0502	Instructor: TBA **Meets January 21, 2014 - March 10, 2014** W 5:00pm - 8:35pm *For MS in Finance students only.*	Seats (Total: 55) VMH 1336
DC51	Instructor: TBA **Meets January 21, 2014 - March 7, 2014** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 60) Location: TBA

BUFN758O **Special Topics in Finance; Financial Econometrics II**

BUFN758O Special Topics in Finance: Financial Econometrics II; (2 credits)

Grade Method: REG.

0501	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** M 5:00pm - 8:35pm *For MS in Finance studetns only.*	Seats (Total: 55) VMH 1336
0502	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** W 5:00pm - 8:35pm *For MS in Finance students only.*	Seats (Total: 55) VMH 1336
DC51	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 60) DC C2

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.* Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0101	Sarah Kroncke **Meets January 21, 2014 - March 10, 2014** TuTh 8:30am - 10:20am	Seats (Total: 44) VMH 1511
0501	Joseph Perfetti **Meets January 21, 2014 - March 10, 2014** MW 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 50) VMH 1511
DC51	Sarah Kroncke **Meets January 16, 2014 - March 7, 2014** M 9:25am - 1:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 50) DC C2

BUFN761 **Derivative Securities**

BUFN761 Derivative Securities; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN726 or BUFN761. Formerly: BUFN726. Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

0101	Clifford Rossi	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	TuTh 10:30am - 12:20pm	VMH 1505

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731. Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

DC01	Haluk Unal	Seats (Total: 40)
	Meets January 21, 2014 - March 7, 2014	
	W 6:25pm - 10:00pm	DC C1

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700. Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

0501	Mark Loewenstein **Meets January 21, 2014 - March 10, 2014** MW 10:30am - 12:20pm *For MS in Finance students only.*	Seats (Total: 50) VMH 1511
BA01	Mark Loewenstein **Meets January 22, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Mark Loewenstein **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) DC C4
DC51	Mark Loewenstein **Meets January 16, 2014 - March 7, 2014** M 2:00pm - 5:35pm *For MS in Finance students only. First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 50) DC C1

BUFN764 Quantitative Investment Strategy

BUFN764 Quantitative Investment Strategy; (2 credits) Grade Method: REG. *Prerequisite: BUFN763. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Provides an introduction to quantitative techniques of selecting equities, as used commonly among long-short equity hedge funds and other quantitative equity asset management companies. Statistical factor models are developed to locate stocks with higher expected returns, based on the observable characteristics of the stocks. Implementation issues, including statistical estimation, backtesting and portfolio construction, are covered, as is performance evaluation.

0501	Russell Wermers **Meets March 24, 2014 - May 9, 2014** MW 8:30am - 10:20am *For MS in Fiance students only.*	Seats (Total: 35) VMH 1518
DC01	Russell Wermers **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C1
DC51	Russell Wermers **Meets March 24, 2014 - May 9, 2014** Tu 9:25am - 1:00pm *For MS in Finance students only.*	Seats (Total: 50) DC C1

BUFN765 **Fixed Income Derivatives**

BUFN765 Fixed Income Derivatives; (2 credits) Grade Method: REG. *Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731.* Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

DC01	Mark Taranto **Meets March 24, 2014 - May 9, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C1

DC51	Haluk Unal **Meets January 21, 2014 - March 7, 2014** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 50) DC C1

BUFN766 **Financial Engineering**

BUFN766 Financial Engineering; (2 credits) Grade Method: REG. *Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735.* Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

0501	Mark Taranto **Meets March 24, 2014 - May 9, 2014** TuTh 10:30am - 12:20pm *For MS in Finance students only.*	Seats (Total: 35) VMH 1518
DC01	Mark Taranto **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C1
DC51	Mark Taranto **Meets March 24, 2014 - May 9, 2014** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 50) DC C2

BUFN773 **Institutional Asset Management**

BUFN773 Institutional Asset Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.

0501	Albert Kyle	Seats (Total: 50)
	Meets January 21, 2014 - March 10, 2014	
	TuTh 3:00pm - 4:50pm	VMH 1511
	For MS in Finance student only.	

BULM Logistics, Business, and Public Policy — Spring 2014

BULM720 **The Green Supply Chain**

BULM720 *(PermReq)* **The Green Supply Chain; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* In response to international regulation of carbon emissions and increasing corporate responsibility pressures, companies are seeking to develop greener supply chains. Companies such as WalMart have undergone a paradigm shift in how they manage their businesses to emphasize environmental stewardship and due diligence on product sustainability. Students are provided with key concepts and tools for designing and managing environmentally sustainable, low-impact supply chains.

0501	Taylor Wilkerson	Seats (Total: 0)
	Meets January 21, 2014 - March 10, 2014	
	W 3:30pm - 7:15pm	VMH 1335
	For MS in Supply Chain students only.	
0502	Taylor Wilkerson	Seats (Total: 0)
	Meets January 21, 2014 - March 10, 2014	
	Th 3:30pm - 7:15pm	VMH 1528
	For MS in Supply Chain students only.	

BULM724 **Negotiations in Supply Chain Management**

BULM724 *(PermReq)* **Negotiations in Supply Chain Management; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). This high experiential course will improve students' negotiation skills and capacity to acquire and effectively use power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students negotiating self confidence and improve students analytical skills, interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

0501	Rellie Rozin	Seats (Total: 0)
	Meets January 16, 2014 - March 7, 2014	
	M 3:30pm - 7:15pm	VMH 1335
	For MS in Supply Chain students only. First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday	
0502	Vijaya Venkataramani	Seats (Total: 0)
	Meets January 21, 2014 - March 10, 2014	
	Tu 3:30pm - 7:15pm	VMH 1528
	For MS in Supply Chain students only.	

BULM733 **Global Trade Logistics**

BULM733 Global Trade Logistics; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT773 or BULM733. Formerly: BMGT773. Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

BA01	Martin Dresner	Seats (Total: 49)
	Meets February 1, 2014 - March 1, 2014	
	Sa 8:30am - 6:00pm	BA 103
	Meets 2/1, 2/15, 3/1.	

BULM734 **Assessing and Managing Supply Chain Risks**

BULM734 *(PermReq)* **Assessing and Managing Supply Chain Risks; (3 credits)** Grade Method: REG.

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Supply chain managers are facing an increasingly volatile operating environment, with constant danger of trading community disruption from business, social and environmental risks. Students are provided with a working knowledge of both the core techniques of supply chain risk assessment and mitigation; as well as best practices in establishing formal corporate supply chain risk management programs. A semester-long X-Treme Supply Chain Simulation will enable students to gain hands-on experience in navigating a computer company through a complex and risky four quarters of global business operations.

0501	Sandor Boyson **Meets March 24, 2014 - May 9, 2014** TuTh 8:00am - 10:40am *For MS in Supply Chain students only.*	Seats (Total: 0) VMH 1528
0502	Sandor Boyson **Meets March 24, 2014 - May 9, 2014** TuTh 11:10am - 1:50pm *For MS in Supply Chain students only.*	Seats (Total: 0) VMH 1528

BULM736 **Executives in Supply Chain Management**

BULM736 Executives in Supply Chain Management; (3 credits) Grade Method: REG.

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Designed to provide students an opportunity to engage in intensive interaction with senior supply chain executives from a cross-section of industries. Executives share their insights on leading competitive supply chains in the global marketplace, while students research the competitive supply chain dynamics of each executive's industry.

0501	Lisa Harrington **Meets March 24, 2014 - May 9, 2014** MW 2:00pm - 4:45pm	Seats (Total: 50) VMH 1520

BULM744 **Global Supply Chain Risk Management**

BULM744 Global Supply Chain Risk Management; (2 credits) Grade Method: REG.

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; and permission of BMGT-Robert H. Smith School of Business. Explores methods to build enterprise resillience from the perspectives of the supply chain planner and supply chain manager. Addresses concerns assessing strategic & operational risks, day to day uncertainties in demand & supply and ensuring business continuity after low probability but high impact events such as a terrorist attack or earthquake.

DC06	Sandor Boyson **Meets March 8, 2014 - March 22, 2014** Sa 8:30am - 6:00pm *Meets 3/8, 3/15, 3/22.*	Seats (Total: 40) DC C4

BULM758A **Special Topics in Logistics, Business and Public Policy**

BULM758A Special Topics in Logistics, Business and Public Policy; (3 credits) Grade Method: REG.

0501	Sandor Boyson, Lisa Harrington **Meets March 24, 2014 - May 9, 2014** Contact instructor or department for details. *For MS in Supply Chain Management students only.*	Seats (Total: 24)
0502	Martin Dresner, Lisa Harrington **Meets March 24, 2014 - May 9, 2014** Contact instructor or department for details. *For MS in Supply Chain Management students only.*	Seats (Total: 24)

BULM758B **Special Topics in Logistics, Business and Public Policy; Supply Chain Strategy**

BULM758B *(PermReq)* **Special Topics in Logistics, Business and Public Policy: Supply Chain Strategy; (3 credits)** Grade Method: REG.

0501	Humberto Coronado **Meets January 21, 2014 - March 10, 2014** TuTh 8:00am - 10:45am	Seats (Total: 0) VMH 1528

0502	Humberto Coronado **Meets January 21, 2014 - March 10, 2014** MW 8:00am - 10:45am *For MS in Supply Chain students only.*	Seats (Total: 0) VMH 1520

BULM758F **Special Topics in Logistics, Business and Public Policy; Economics of Sustainable Development**

BULM758F Special Topics in Logistics, Business and Public Policy: Economics of Sustainable Development; (2 credits) Grade Method: REG.

0101	Rachelle Sampson **Meets March 24, 2014 - May 9, 2014** TuTh 3:00pm - 4:50pm	Seats (Total: 40) VMH 1511

BULM758M **Special Topics in Logistics, Business and Public Policy; Emerging Economies, Government Policies, and International Trade**

BULM758M Special Topics in Logistics, Business and Public Policy: Emerging Economies, Government Policies, and International Trade; (2 credits) Grade Method: REG.

BA01	Jahangir Boroumand **Meets March 24, 2014 - May 9, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Jahangir Boroumand **Meets March 24, 2014 - May 9, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Spring 2014

BUMK701 **Marketing Research Methods**

BUMK701 Marketing Research Methods; (2 credits) Grade Method: REG. *Prerequisite: BUSI650 and BUSI630. Credit only granted for: BMGT752 or BUMK701. Formerly: BMGT752.* The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

0101	Tao Chen **Meets January 21, 2014 - March 10, 2014** TuTh 3:00pm - 4:50pm	Seats (Total: 40) VMH 1520
DC01	Joydeep Srivastava **Meets March 24, 2014 - May 9, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUMK715 **Consumer Behavior**

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG. *Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT754 or BUMK715. Formerly: BMGT754.* Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Rebecca Ratner **Meets January 21, 2014 - March 10, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 55) VMH 1505
BA01	Rebecca Ratner **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Credit only granted for: BMGT757 or BUMK757. Formerly: BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Diane Whitney **Meets March 24, 2014 - May 9, 2014** MW 8:30am - 10:20am	Seats (Total: 40) VMH 1511
DC01	Henry Boyd **Meets January 21, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) DC C2
DC06	Diane Whitney **Meets January 25, 2014 - March 15, 2014** Sa 8:40am - 12:50pm *Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.*	Seats (Total: 40) DC C2

BUMK758A **Special Topics in Marketing; Market Forecasting**

BUMK758A Special Topics in Marketing: Market Forecasting; (2 credits) Grade Method: REG.

0101	Wendy Moe **Meets January 21, 2014 - March 10, 2014** MW 10:30am - 12:20pm	Seats (Total: 38) VMH 1303
GS01	Wendy Moe **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) BLD2 3032

GS51	Wendy Moe	Seats (Total: 0)
	Meets January 21, 2014 - March 7, 2014	
	MW 2:00pm - 3:50pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758H **Special Topics in Marketing; Business Ethics 2**

BUMK758H *(PermReq)* **Special Topics in Marketing: Business Ethics 2; (1 credit)** Grade Method: REG.

GS51	Rosellina Ferraro	Seats (Total: 0)
	Meets January 21, 2014 - May 9, 2014	
	F 1:00pm - 2:50pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758L **Special Topics in Marketing; Marketing Research and Analysis**

BUMK758L *(PermReq)* **Special Topics in Marketing: Marketing Research and Analysis; (3 credits)** Grade Method: REG.

GS51	Joydeep Srivastava	Seats (Total: 0)
	Meets January 21, 2014 - May 9, 2014	
	Th 1:00pm - 3:30pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758M **Special Topics in Marketing; Web Analytics**

BUMK758M *(PermReq)* **Special Topics in Marketing: Web Analytics; (2 credits)** Grade Method: REG.

GS51	Michael Trusov	Seats (Total: 0)
	Meets March 24, 2014 - May 9, 2014	
	W 1:00pm - 4:35pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758O **Special Topics in Marketing; Social Media and Internet Marketing**

BUMK758O Special Topics in Marketing: Social Media and Internet Marketing; (2 credits) Grade Method: REG.

0101	Jeremy Brown **Meets March 24, 2014 - May 9, 2014** MW 10:30am - 12:20pm	Seats (Total: 20) VMH 2509
DC01	Jeremy Brown **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) DC C1

BUMK758P **Special Topics in Marketing; New Product Development**

BUMK758P Special Topics in Marketing: New Product Development; (2 credits) Grade Method: REG.
Click here for more information..

0101	Yogesh Joshi **Meets March 24, 2014 - May 9, 2014** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1520
DC01	Yogesh Joshi **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C2

BUMK758Q **Special Topics in Marketing; Action Learning Project**

BUMK758Q *(PermReq)* **Special Topics in Marketing: Action Learning Project; (2 credits)** Grade Method: REG.

GS51	Pallassana Kannan, Tao Chen, Michael Trusov **Meets January 21, 2014 - March 7, 2014** F 8:30am - 12:05pm *For MS in Marketing Analytics students only.*	Seats (Total: 0) BLD2 2032

BUMK758V **Special Topics in Marketing; Marketing for Social Value**

BUMK758V Special Topics in Marketing: Marketing for Social Value; (2 credits) Grade Method: REG.

DC01	Rebecca Ratner	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	M 6:25pm - 10:00pm	DC C4

BUMK758W **Special Topics in Marketing; Data Science**

BUMK758W *(PermReq)* **Special Topics in Marketing: Data Science; (3 credits)** Grade Method: REG.

GS51	Liye Ma, William Rand	Seats (Total: 0)
	Meets January 21, 2014 - May 9, 2014	
	Tu 1:00pm - 3:30pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK758Y **Special Topics in Marketing; Innovation Analytics**

BUMK758Y *(PermReq)* **Special Topics in Marketing: Innovation Analytics; (2 credits)** Grade Method: REG.

GS51	Yogesh Joshi	Seats (Total: 0)
	Meets March 24, 2014 - May 9, 2014	
	M 1:00pm - 4:35pm	BLD2 2032
	For MS in Marketing Analytics students only.	

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Spring 2014

BUMO714 **Competitive and Collaborative Negotiation**

BUMO714 Competitive and Collaborative Negotiation; (2 credits) Grade Method: REG.
Corequisite: BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764. Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

BA01	Gosia Langa **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 40) BA 103
DC06	Rellie Rozin **Meets January 25, 2014 - March 15, 2014** Sa 1:40pm - 5:50pm *Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.*	Seats (Total: 40) DC C2
GS01	Rellie Rozin **Meets January 21, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2032

BUMO732 **Entrepreneurship and New Ventures**

BUMO732 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG.
Credit only granted for: BUMO732 or BUSI660. Formerly: BMGT780. Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

0101	Brent Goldfarb **Meets January 21, 2014 - March 10, 2014** TuTh 8:30am - 10:20am	Seats (Total: 40) VMH 1520

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (2 credits) Grade Method: REG.
Prerequisite: Must have completed or be concurrently enrolled in BUSI690. And must have completed MBA core requirements; or permission of BMGT-Robert H. Smith School of Business. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

0101	Christine Beckman **Meets January 21, 2014 - March 10, 2014** TuTh 10:30am - 12:20pm	Seats (Total: 38) VMH 1518
BA01	Paulo Prochno **Meets January 21, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 40) BA 102
GS01	Christine Beckman **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2052

BUMO752 **Strategic Growth for Emerging Companies**

BUMO752 Strategic Growth for Emerging Companies; (2 credits) Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

DC01	David Kirsch **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 50) DC C2

BUMO753 **Emerging Business Formation**

BUMO753 Emerging Business Formation; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Business formation issues, legal obligations that affect entrepreneurial activities, the spectrum of financing methods available to emerging businesses, creating management and organization and a practical application of the tools through practical projects.

GS01	Jonathan Aberman **Meets March 24, 2014 - May 9, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD2 2052

BUMO754 **Global Strategy**

BUMO754 Global Strategy; (2 credits) Grade Method: REG.
Credit only granted for: BUSI674 or BUMO754. Formerly: BMGT795. Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantage in a global context?

0101	Paulo Prochno **Meets March 24, 2014 - May 9, 2014** MW 3:00pm - 4:50pm	Seats (Total: 40) VMH 1505
BA01	Paulo Prochno **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Anil Gupta **Meets March 24, 2014 - May 9, 2014** M 6:25pm - 10:00pm	Seats (Total: 45) DC C1
DC06	Anil Gupta **Meets March 22, 2014 - May 17, 2014** Sa 1:40pm - 5:50pm	Seats (Total: 43) DC C1

BUMO758D **Special Topics in Management and Organization; Social Entrepreneurship**

BUMO758D Special Topics in Management and Organization: Social Entrepreneurship; (2 credits) Grade Method: REG.

DC06	James Sanders	Seats (Total: 20)
	Meets January 25, 2014 - March 15, 2014	
	Sa 1:40pm - 5:50pm	DC C6
	Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.	

BUMO758F **Special Topics in Management and Organization; Entrepreneurial Issues in Family and Closely-Held Businesses**

BUMO758F Special Topics in Management and Organization: Entrepreneurial Issues in Family and Closely-Held Businesses; (2 credits) Grade Method: REG.

DC01	Jonathan Aberman	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	W 6:25pm - 10:00pm	DC C5

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

GS01	Protiti Dastidar	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	Tu 6:25pm - 10:00pm	BLD2 2052

BUMO758L **Special Topics in Management and Organization; Leadership Development**

BUMO758L Special Topics in Management and Organization: Leadership Development; (4 credits) Grade Method: REG.

GS01	Hui Liao	Seats (Total: 40)
	Meets January 21, 2014 - May 9, 2014	
	M 6:30pm - 9:50pm	BLD2 2032

BUMO758M **Special Topics in Management and Organization; Understanding and Managing Organizational Change**

BUMO758M Special Topics in Management and Organization: Understanding and Managing Organizational Change; (4 credits) Grade Method: REG.

0101	Myeong-Gu Seo	Seats (Total: 40)
	Meets January 21, 2014 - May 9, 2014	
	MW 3:00pm - 4:50pm	VMH 1511

BUMO758Q **Special Topics in Management and Organization; Managers in Society**

BUMO758Q Special Topics in Management and Organization: Managers in Society; (1 credit) Grade Method: REG.

BA01	Shreevardhan Lele	Seats (Total: 20)
	Meets April 5, 2014 - May 3, 2014	
	Sa 9:00am - 5:30pm	Location: TBA
	Meets Saturday, April 5th from 9am-2pm and Saturday, May 3rd from 9am-5 30pm.	

BUMO758R **Special Topics in Management and Organization; The Rise of China and India: Implications for Global Strate gy**

BUMO758R Special Topics in Management and Organization: The Rise of China and India: Implications for Global Strate gy; (1 credit) Grade Method: REG.

GS01	Anil Gupta	Seats (Total: 20)
	Meets May 3, 2014 - May 4, 2014	
	SaSu 8:30am - 3:30pm	Location: TBA
	Meets Saturday, May 3rd and Sunday, May 4th.	

BUMO758W **Special Topics in Management and Organization; Creating the Corporate Future Through Systems Thinking and Design**

BUMO758W Special Topics in Management and Organization: Creating the Corporate Future Through Systems Thinking and Design; (1 credit) Grade Method: REG.

DC06	Jose Suarez	Seats (Total: 20)
	Meets April 27, 2014 - May 3, 2014	
	SaSu 8:00am - 5:00pm	Location: TBA
	Meets Sunday, April 27 from 8am-5pm and Saturday, May 3 from 1230p-5p .	

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO761 **Creativity for Business Leaders and Entrepreneurs**

BUMO761 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI661 or BUMO761. Formerly: BUSI661. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

BA01	Oliver Schlake	Seats (Total: 40)
	Meets March 24, 2014 - May 9, 2014	
	Th 6:25pm - 10:00pm	BA 103

BUMO767 **Cross-Cultural Communication and Teamwork**

BUMO767 Cross-Cultural Communication and Teamwork; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI667 or BUMO767. Formerly: BUSI667. Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

0101	Hui Liao **Meets March 24, 2014 - May 9, 2014** MW 1:00pm - 2:50pm	Seats (Total: 35) VMH 1518
BA01	Gosia Langa **Meets March 24, 2014 - May 9, 2014** M 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUMO794 **Essentials of Negotiation**

BUMO794 *(PermReq)* **Essentials of Negotiation; (2 credits)** Grade Method: REG. *Restriction: Must be in Business and Management (Master's) program.* This highly experiential course will improve students' negotiation skills and capacity to acquire and effectively use bargaining power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to claim value and achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students' negotiating self-confidence and improve students' analytical and decision-making skills (e.g., understanding bargaining zones, knowing when an agreement can be made and when to walk away; learning how to prepare for negotiations), interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

0501	Vijaya Venkataramani **Meets January 21, 2014 - March 10, 2014** MW 3:00pm - 4:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1505
0502	Rellie Rozin **Meets January 21, 2014 - March 10, 2014** TuTh 3:00pm - 4:50pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1505
GS06	Gosia Langa **Meets March 29, 2014 - May 17, 2014** Sa 8:30am - 12:05pm *For MS in Accounting students only. Meets 3/29, 4/5, 4/12, 4/26, 5/3, 5/10, 5/17.*	Seats (Total: 0) BLD2 2032

BUMO796 **Leadership and Human Resource Management for Accountants and Auditors**

BUMO796 *(PermReq)* **Leadership and Human Resource Management for Accountants and Auditors; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Develops the concepts, frameworks, and skills that are important to be effective leaders and to successfully manage human resources. Topics for discussion include: Creating a motivating and empowering environment; leadership attributes, power and effective influence; building effective decision-making; strategic management of human resources; specification of the skills and competencies requisite for job success; recruiting and selecting employees to fit the job and the organization; measuring, appraising and improving performance. All of the topics selected for discussion are critical ones that every professional needs to know, regardless of functional area (not just HR professionals), and will help students become more effective consultants, managers and leaders.

0501	Judith Gebhardt **Meets March 24, 2014 - May 9, 2014** MW 6:30pm - 9:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1330
0502	Judith Gebhardt **Meets March 24, 2014 - May 9, 2014** MW 3:30pm - 6:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1335

BUSI Part-Time MBA Program Spring 2014

BUSI611 **Managerial Accounting**

BUSI611 Managerial Accounting; (2 credits) Grade Method: REG.
Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

0101	Emanuel Zur **Meets January 21, 2014 - March 10, 2014** MW 10:30am - 12:20pm	Seats (Total: 55) VMH 1505

0201	Emanuel Zur	Seats (Total: 55)
	Meets January 21, 2014 - March 10, 2014	
	MW 1:00pm - 2:50pm	VMH 1505

BUSI621 **Strategic and Transformational IT**

BUSI621 Strategic and Transformational IT; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0101	Henry Lucas	Seats (Total: 50)
	Meets January 21, 2014 - March 10, 2014	
	TuTh 1:00pm - 2:10pm Class time/details on ELMs	VMH 1511 ONLINE
	This section of BUSI621 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.	
BA01	Sunil Mithas	Seats (Total: 50)
	Meets March 24, 2014 - May 9, 2014	
	M 6:25pm - 9:30pm Class time/details on ELMs	BA 103 ONLINE
	This section of BUSI621 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.	
DC01	Anand Gopal	Seats (Total: 55)
	Meets March 24, 2014 - May 9, 2014	
	W 6:25pm - 10:00pm	DC C1

GS01	Sunil Mithas **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 50) BLD2 2032

BUSI622 **Managing Digital Business Markets**

BUSI622 Managing Digital Business Markets; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0101	Instructor: TBA **Meets January 21, 2014 - March 10, 2014** TuTh 8:30am - 10:20am	Seats (Total: 50) VMH 1505
0201	Instructor: TBA **Meets January 21, 2014 - March 10, 2014** TuTh 10:30am - 12:20pm	Seats (Total: 50) VMH 1505
BA01	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** M 6:25pm - 9:30pm Class time/details on ELMs *This section of BUSI622 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 50) BA 104 ONLINE
DC01	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** W 6:25pm - 9:30pm Class time/details on ELMs *This section of BUSI622 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 55) DC C3 ONLINE

DC06	Instructor: TBA **Meets March 22, 2014 - May 17, 2014** Sa 1:40pm - 4:25pm Class time/details on ELMs *Meets 3/22, 3/29, 4/12, 4/19, 4/26, 5/10, Final 5/17. This section of BUSI622 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 50) DC C3 ONLINE
GS01	Instructor: TBA **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 9:30pm Class time/details on ELMs *This section of BUSI622 will meet in a combination of face-to-face classroom sessions and asynchronous online sessions. Students are required to have a PC or MAC and broadband connection to enroll in the course.*	Seats (Total: 50) BLD2 3032 ONLINE

BUSI630 **Data, Models and Decisions**

BUSI630 *(PermReq)* **Data, Models and Decisions; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Robert Hoffman **Meets January 21, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Margret Bjarnadottir **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First class meeting will be Thursday, January 16 at the usual time and location to make up for the Martin Luther King holiday.*	Seats (Total: 0) DC C3
DC02	Margret Bjarnadottir **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3

DC06	Tunay Tunca **Meets January 25, 2014 - March 15, 2014** Sa 8:40am - 12:50pm *Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.*	Seats (Total: 0) DC C3
GS01	Tunay Tunca **Meets January 21, 2014 - March 7, 2014** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI634 **Operations Management**

BUSI634 Operations Management; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

0101	Zhi-Long Chen **Meets March 24, 2014 - May 9, 2014** MW 10:30am - 12:20pm	Seats (Total: 52) VMH 1505
0201	Zhi-Long Chen **Meets March 24, 2014 - May 9, 2014** MW 1:00pm - 2:50pm	Seats (Total: 52) VMH 1505
0501	Zhi-Long Chen **Meets March 24, 2014 - May 9, 2014** TuTh 1:00pm - 2:50pm *For MS in Supply Chain and MS in Information Systems students only.*	Seats (Total: 0) VMH 1505
0502	Zhi-Long Chen **Meets March 24, 2014 - May 9, 2014** TuTh 3:00pm - 4:50pm *For MS in Supply Chain and MS in Information System students only.*	Seats (Total: 0) VMH 1505

BUSI640 **Financial Management**

BUSI640 *(PermReq)* **Financial Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.

BA01	Bharat Jain **Meets March 24, 2014 - May 9, 2014** W 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Kathleen Hanley **Meets March 24, 2014 - May 9, 2014** M 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Kathleen Hanley **Meets March 24, 2014 - May 9, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Kathleen Hanley **Meets March 22, 2014 - May 17, 2014** Sa 8:40am - 12:50pm *Meets 3/22, 3/29, 4/12, 4/19, 4/26, 5/10, Final 5/17.*	Seats (Total: 0) DC C3
GS01	Kathleen Hanley **Meets March 24, 2014 - May 9, 2014** Th 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Robert Krapfel **Meets January 16, 2014 - March 7, 2014** M 6:25pm - 10:00pm *First course meeting will be on Thursday 1/16 at the usual time and loc tion to make up for the Martin Luther King holiday.*	Seats (Total: 0) BA 104
DC01	David Godes **Meets January 21, 2014 - March 7, 2014** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	David Godes **Meets January 21, 2014 - March 7, 2014** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Instructor: TBA **Meets January 25, 2014 - March 15, 2014** Sa 1:40pm - 5:50pm *Meets 1/25, 2/1, 2/8, 2/22, 3/1, 3/8, Final 3/15.*	Seats (Total: 0) DC C3
GS01	Robert Krapfel **Meets January 21, 2014 - March 7, 2014** Tu 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI672 **Global Supply Chain Management**

BUSI672 Global Supply Chain Management; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

0101	Thomas Corsi **Meets January 21, 2014 - March 10, 2014** TuTh 10:30am - 12:20pm	Seats (Total: 40) VMH 1511

DC01	Thomas Corsi	Seats (Total: 40)
	Meets January 21, 2014 - March 7, 2014	
	Th 6:25pm - 10:00pm	DC C1

BUSI698 **MBA Consulting Project**
Contact department for information to register for this course.

BUSI758D **Special Topics in Business; Digital Strategies for Businesses**
Contact department for information to register for this course.

BUSI758F **Special Topics in Business; Experiential Learning Project**
Contact department for information to register for this course.

BUSI758G **Special Topics in Business; Social Venture Consulting**
Contact department for information to register for this course.

BUSI758M **Special Topics in Business; Sustainable Systems Practicum**
Contact department for information to register for this course.

BUSI758P **Special Topics in Business; Current Issues in Federal Acquisition**

BUSI758P Special Topics in Business: Current Issues in Federal Acquisition; (3 credits) Grade Method: REG.
Also offered as ENSE698F and PUAF689F.

0101	Jacques Gansler	Seats (Total: 20)
	M 4:00pm - 6:40pm	JMP 2216

BUSI758R **Special Topics in Business; Social Venture Consulting Practicum**
Contact department for information to register for this course.

BUSI758V **Special Topics in Business; Venture Practicum**
Contact department for information to register for this course.

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (2 credits) Grade Method: REG.
Credit only granted for: BMGT794 or BUSI761. Formerly: BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

GS01	Peter Morici **Meets February 1, 2014 - February 22, 2014** SaSu 8:30am - 5:50pm *Meets 2/1, 2/2, 2/22.*	Seats (Total: 40) BLD2 2052

BUSI764 **Business Law for Managers**

BUSI764 Business Law for Managers; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT793 or BUSI764. Formerly: BMGT793. Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

0501	William McClenahan **Meets March 24, 2014 - May 9, 2014** TuTh 3:30pm - 5:30pm *For MS in Acccounting students only.*	Seats (Total: 45) VMH 1528
BA01	T Anenson **Meets January 21, 2014 - March 7, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 103

BUSI768A **Global Business Experience: CIBER Global Business Project; CIBER Global Consulting**
Contact department for information to register for this course.

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0501	Instructor: TBA **Meets January 21, 2014 - March 10, 2014** W 5:00pm - 8:35pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1528
GS01	Barnet Corwin **Meets January 21, 2014 - March 7, 2014** Th 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUSI788K **Introduction to Global Business Experience; China Ad-Venture**
Contact department for information to register for this course.

BUSI788W **Introduction to Global Business Experience; Reflecting on Travel Abroad**
Contact department for information to register for this course.

BUSI788Z **Introduction to Global Business Experience; Reflecting on Travel Abroad**
Contact department for information to register for this course.

BUSI798B **Global Business Experience; Brazil: Emerging Global Companies**
Contact department for information to register for this course.

BUSI798E **Global Business Experience; Doing Business in Europe: Energy and Energy Policy**
Contact department for information to register for this course.

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Spring 2014

CBMG688B **Special Topics in Cell Biology and Molecular Genetics; Genetics: Bioethics**

CBMG688B Special Topics in Cell Biology and Molecular Genetics: Genetics: Bioethics; (1 credit) Grade Method: REG/AUD.

0101	Leslie Pick	Seats (Total: 20)
	Meets March 19, 2014 - May 13, 2014	
	M 8:00am - 10:00am	MCB 2119

CBMG688C **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688C Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Kevin McIver	Seats (Total: 40)
	Contact instructor or department for details.	

CBMG688F **Special Topics in Cell Biology and Molecular Genetics; Gene Expression**

CBMG688F Special Topics in Cell Biology and Molecular Genetics: Gene Expression; (2 credits) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 35)
	Meets January 27, 2014 - March 18, 2014	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688I **Special Topics in Cell Biology and Molecular Genetics; Genetic Analysis**

CBMG688I *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Genetic Analysis; (2 credits)** Grade Method: REG/AUD.
Click here for more course information.

0101	Stephen Mount **Meets March 19, 2014 - May 13, 2014** TuTh 4:00pm - 6:00pm	Seats (Total: 30) MCB 1207

CBMG688X **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688X Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Anne Simon F 3:00pm - 5:00pm	Seats (Total: 20) HJP 1216

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount Th 2:00pm - 3:00pm	Seats (Total: 20) BRB 1103

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount F 3:30pm - 6:00pm	Seats (Total: 20) PLS 1146

CBMG699W **Special Problems in Cell Biology and Molecular Genetics; Immunology**

CBMG699W Special Problems in Cell Biology and Molecular Genetics: Immunology; (3 credits) Grade Method: REG.

0101	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 2) PLS 1140 BPS 1234	 Discussion

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser F 9:00am - 10:30am	Seats (Total: 20) BRB 3101

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA M 12:00pm - 1:00pm	Seats (Total: 20) HJP 1216

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman F 9:30am - 10:30am	Seats (Total: 10) MCB 1121

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Spring 2014

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Instructor: TBA MW 3:00pm - 3:50pm M 9:00am - 9:50am	Seats (Total: 30) LEF 2205 LEF 1201	 Discussion
0102	Instructor: TBA MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 30) LEF 2205 LEF 2208	 Discussion
0103	Instructor: TBA MW 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 30) LEF 2205 TYD 0101	 Discussion
0104	Instructor: TBA MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 30) LEF 2205 LEF 1201	 Discussion

0105	Joshua Bittinger MW 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 30) LEF 2205 LEF 1220	Discussion
0106	Joshua Bittinger MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 30) LEF 2205 HBK 0108	Discussion
0107	Joshua Bittinger MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 LEF 1220	Discussion
0108	Joshua Bittinger MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 WDS 1130	Discussion
0201	Jacqueline Lee MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0202	Jacqueline Lee MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 30) SKN 0200 LEF 2208	Discussion
0203	Jacqueline Lee MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 LEF 1201	Discussion
0204	Jacqueline Lee MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0205	Jacqueline Lee MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0206	Jacqueline Lee MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 30) SKN 0200 BPS 0283	Discussion

0207	Jacqueline Lee MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) SKN 0200 LEF 1220	 Discussion
0208	Jacqueline Lee MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 LEF 1220	 Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Brendan Dooley TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 30) KEY 0106 ASY 3215	 Discussion
0102	Brendan Dooley TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 30) KEY 0106 ASY 3203	 Discussion
0103	Brendan Dooley TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) KEY 0106 ASY 3211	 Discussion
0104	Brendan Dooley TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 ASY 3211	 Discussion
0105	Brendan Dooley TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 30) KEY 0106 TYD 1108	 Discussion
0106	Brendan Dooley TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 30) KEY 0106 ASY 3215	 Discussion

0107	Brendan Dooley TuTh 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 30) KEY 0106 ASY 3203	Discussion
0108	Brendan Dooley TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) KEY 0106 EDU 0114	Discussion
0201	Brendan Dooley TuTh 12:30pm - 1:20pm M 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 EDU 3315	Discussion
0202	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 30) KEY 0106 JMZ 0122	Discussion
0203	Brendan Dooley TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 EDU 0114	Discussion
0204	Brendan Dooley TuTh 12:30pm - 1:20pm W 3:00pm - 3:50pm	Seats (Total: 30) KEY 0106 LEF 1201	Discussion
0205	Brendan Dooley TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 30) KEY 0106 TYD 2108	Discussion
0206	Brendan Dooley TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 30) KEY 0106 ASY 3203	Discussion
0207	Brendan Dooley TuTh 12:30pm - 1:20pm W 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 LEF 1201	Discussion
0208	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 TYD 1114	Discussion

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: CCJS100 or CCJS105; and minimum grade of C- in MATH111. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	Brian Johnson TuTh 12:30pm - 1:45pm Th 3:00pm - 3:50pm	Seats (Total: 30) MMH 1400 KEY 0121	Discussion
0102	Brian Johnson TuTh 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 WDS 1130	Discussion
0103	Brian Johnson TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 KEY 0116	Discussion
0104	Brian Johnson TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 KEY 0125	Discussion
0105	Brian Johnson TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 KEY 0116	Discussion
0106	Brian Johnson TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 KEY 0126	Discussion

CCJS225 **Reactions to Violence**

CCJS225 Reactions to Violence; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weakness of a number of resolutions to reducing violence over the course of history using both state centered and informal control.

0101	Brendan Dooley MW 3:00pm - 4:15pm	Seats (Total: 100) KEY 0106

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 100) LEF 2205
0201	Russell Hamill Th 4:00pm - 6:30pm	Seats (Total: 100) MMH 1400

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem Th 6:00pm - 8:30pm	Seats (Total: 100) KEY 0102

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201). Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 2111	
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) TYD 2111	
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100	
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100	

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. This class is taught using a "blended learning" format divided equally with presentation of online recorded lectures, case studies, webcasts and readings; and practical examination of criminalistics procedures and evidence identification exercises in the CCJS Crime Laboratory. There are lab fees associated with this course.

BL01	Thomas Mauriello Class time/details on ELMs M 1:00pm - 3:00pm	Seats (Total: 24) ONLINE MMH 2401	Lab
BL02	Thomas Mauriello Class time/details on ELMs M 3:30pm - 5:30pm	Seats (Total: 24) ONLINE MMH 2401	Lab

BL03	Thomas Mauriello Class time/details on ELMs M 6:00pm - 8:00pm	Seats (Total: 24) ONLINE MMH 2401	 Lab

CCJS325 **Slavery in the Twenty First Century: Combating Human Trafficking**

CCJS325 Slavery in the Twenty First Century: Combating Human Trafficking; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: CCJS325 or CCJS498R. Formerly: CCJS498R. The trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.

0101	Christine Roberts White M 1:00pm - 3:30pm	Seats (Total: 60) SYM 0200
SG91	Wendy Stickle M 12:30pm - 3:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 60) BLD3 4206

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0101	Brendan Dooley TuTh 3:30pm - 4:45pm	Seats (Total: 50) LEF 2166
SG91	Rebecca Morse Class time/details on ELMs *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) ONLINE

CCJS332 **Major Transitions: From Undergraduate to Professional**

CCJS332 *(PermReq)* **Major Transitions: From Undergraduate to Professional; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Criminology and Criminal Justice program; and sophomore standing or higher. This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

0101	Nicole Jackson W 12:00pm - 12:50pm	Seats (Total: 50) TYD 1102

CCJS340 **Policing**

CCJS340 *(PermReq)* **Policing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department. Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 200) LEF 2205
0201	David Mitchell TuTh 2:00pm - 3:15pm	Seats (Total: 50) SQH 1120

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Mauri Matsuda TuTh 9:30am - 10:45am	Seats (Total: 100) MMH 1400
0201	Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 100) BPS 1250

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Alan Lehman	Seats (Total: 75)
	TuTh 3:30pm - 4:45pm	TYD 1102

CCJS358B **Special Topics in Study Abroad III; Criminology in Scandanavia**
Contact department for information to register for this course.

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

Contact department for information to register for this course.

CCJS360 **Victimology**

CCJS360 *(PermReq)* **Victimology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS105.* Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

0101	Cortney Fisher	Seats (Total: 50)
	TuTh 9:30am - 10:45am	TYD 0102

CCJS370 **Race, Crime and Criminal Justice**

CCJS370 *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Christine Roberts White W 2:00pm - 4:30pm	Seats (Total: 50) SQH 1119
0201	Christine Roberts White TuTh 12:30pm - 1:45pm	Seats (Total: 50) ARM 0110

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.

Contact department for information to register for this course.

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Loughran M 4:00pm - 6:45pm	Seats (Total: 20) WDS 1127

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. For majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS418B **Seminar in Criminology and Criminal Justice; Cyber Crime**

CCJS418B *(PermReq)* **Seminar in Criminology and Criminal Justice: Cyber Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100, CCJS105 and permission of department.

0101	David Maimon	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ARC 1105

CCJS418F **Seminar in Criminology and Criminal Justice; Serial Offending**

CCJS418F Seminar in Criminology and Criminal Justice: Serial Offending; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Laura Dykstra	Seats (Total: 40)
	Tu 9:30am - 12:00pm	BLD3 3226
	Limit to CCJS students at Shady Grove.	

CCJS418G **Seminar in Criminology and Criminal Justice; Analyzing Criminological Research**

CCJS418G *(PermReq)* **Seminar in Criminology and Criminal Justice: Analyzing Criminological Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100, CCJS105, CCJS200, and CCJS300.

0101	Jean McGloin	Seats (Total: 30)
	M 4:00pm - 6:30pm	TYD 0101

CCJS418M **Seminar in Criminology and Criminal Justice; Cross-national Comparisons of Crime and Criminal Justice**

CCJS418M *(PermReq)* **Seminar in Criminology and Criminal Justice: Cross-national Comparisons of Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

0101	James Lynch TuTh 2:00pm - 3:15pm	Seats (Total: 28) SYM 0209

CCJS440 **Security Administration**

CCJS440 *(PermReq)* **Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS340. Credit only granted for: CCJS440 or CCJS498Z. Formerly: CCJS498Z. Designed to introduce students to the complex issues of Security Administration and the critical terrorism issues facing the nation. Emphasis is placed on understanding the historical and contemporary issues effecting U.S. Counterterrorism Policy. It also explores the challenges facing today's security administrators including: ethics, classified information, intelligence, terrorist organizations and incidents, physical and personnel security, transportation and border security issues.

0101	Michael Jensen W 6:00pm - 8:30pm	Seats (Total: 50) LEF 2166
SG91	Ryan Cotter Th 2:00pm - 4:30pm *Limited to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4215

CCJS444 **Advanced Law Enforcement Administration**

CCJS444 *(PermReq)* **Advanced Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS340. The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

0101	Alvaro Bellido De Luna, Stan Malm W 5:00pm - 7:30pm	Seats (Total: 50) LEF 2205

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department. Methods and programs in prevention of crime and delinquency.

0101	Kiminori Nakamura MW 3:00pm - 4:15pm	Seats (Total: 50) TYD 2106
SG91	Laura Dykstra W 9:30am - 12:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 50) BLD3 4219

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department. Processes and methods used to modify criminal and delinquent behavior.

0101	Maria Lobo-Antunes TuTh 11:00am - 12:15pm	Seats (Total: 50) TYD 0117
0201	Kiminori Nakamura TuTh 9:30am - 10:45am	Seats (Total: 50) ARC 1103

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS350, CCJS300, and CCJS105. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Maimon TuTh 3:30pm - 4:45pm	Seats (Total: 50) SQH 1117

0201	Sarah Boonstoppel M 4:00pm - 6:30pm	Seats (Total: 50) TYD 2111

CCJS461 **Psychology of Criminal Behavior**
Contact department for information to register for this course.

CCJS498B **Selected Topics in Criminology and Criminal Justice; Controversies and New Directions in Criminal Justice**

CCJS498B *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Controversies and New Directions in Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS 100 and CCJS 105.

0101	Brian Johnson W 4:00pm - 6:30pm	Seats (Total: 30) TLF 1101

CCJS498C **Selected Topics in Criminology and Criminal Justice; Police and Campus Interaction**

CCJS498C *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Police and Campus Interaction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	James Lynch MW 3:30pm - 4:45pm	Seats (Total: 32) LEF 1220

CCJS498D **Selected Topics in Criminology and Criminal Justice; Crisis Management and Leadership for Public Safety**

CCJS498D Selected Topics in Criminology and Criminal Justice: Crisis Management and Leadership for Public Safety; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Charles Jordan Th 9:30am - 12:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 3240

CCJS498F **Selected Topics in Criminology and Criminal Justice; Recruitment and Retention of Public Safety Professionals**

CCJS498F Selected Topics in Criminology and Criminal Justice: Recruitment and Retention of Public Safety Professionals; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Shawn Eastman W 9:30am - 12:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD2 3012

CCJS498I **Selected Topics in Criminology and Criminal Justice; Computer and Digital Forensics**

CCJS498I Selected Topics in Criminology and Criminal Justice: Computer and Digital Forensics; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Conroy W 12:30pm - 3:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 30) BLD3 3202

CCJS498Y **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

CCJS498Y Selected Topics in Criminology and Criminal Justice: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Nicole Romeiser MW 12:30pm - 1:45pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 4226

CCJS600 **Criminal Justice**
Contact department for information to register for this course.

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS610 **Research Methods in Criminal Justice and Criminology**

CCJS610 *(PermReq)* **Research Methods in Criminal Justice and Criminology; (3 credits)** Grade Method: REG/AUD.
Formerly: CRIM610. Examination of special research problems and techniques.

0101	Jean McGloin W 4:00pm - 6:45pm	Seats (Total: 23) LEF 2165E

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS621 **General Linear Models in Criminal Justice Research**

CCJS621 General Linear Models in Criminal Justice Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS620. Credit only granted for: CCJS498F or CCJS621. Formerly: CCJS498F. An in-depth exploration of applied linear regression analysis. Covers characteristics of estimates, such as unbiasedness and efficiency. Encourages fluency with the theoretical issues involved in the basic linear regression using simple algebra, familiarity with the general model using matrix algebra, and fluency with the computer application of multivariate regressions and the probit/logit models.

0101	Laura Dugan M 4:00pm - 6:45pm	Seats (Total: 25) TYD 0111

CCJS651 **Seminar in Criminology**

CCJS651 Seminar in Criminology; (3 credits) Grade Method: REG/AUD.
Formerly: CRIM651. Analysis of significant recent issues in Criminology.

0101	John Laub Tu 4:00pm - 6:45pm	Seats (Total: 45) TYD 1118

CCJS663 **Issues in Corporate Crime**

CCJS663 Issues in Corporate Crime; (3 credits) Grade Method: REG/AUD. *Credit only granted for: CCJS699S or CCJS663. Formerly: CCJS699S.* Overview of what is known about corporate crime and criminals (e.g.: similarities to and differences from other offenders and crime types; characteristics of offenders and victims; what counts as corporate crime ; introduction to theoretical frameworks.) Readings and class materials will coalesce around specific issues about which there is much debate but scant empirical research. Discussions will center around what is known, what is not, what needs to be done and how.

0101	Sally Simpson	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	TYD 2102

CCJS678C **Advanced Topics in Criminology and Criminal Justice; Litigation Law**
Contact department for information to register for this course.

CCJS678D **Advanced Topics in Criminology and Criminal Justice; International Law and Process**
Contact department for information to register for this course.

CCJS678E **Advanced Topics in Criminology and Criminal Justice; Seminar in Criminal Procedure Law**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699A **Special Criminological Problems; History of Criminological Thought II**

CCJS699A Special Criminological Problems: History of Criminological Thought II; (3 credits) Grade Method: REG/AUD.

0101	Raymond Paternoster	Seats (Total: 20)
	MW 1:30pm - 2:45pm	LEF 2165E

CCJS699T **Special Criminological Problems; Longitudinal Data Analysis**

CCJS699T Special Criminological Problems: Longitudinal Data Analysis; (3 credits) Grade Method: REG/AUD.

0101	Thomas Loughran Tu 12:00pm - 2:45pm	Seats (Total: 20) LEF 2165E

CCJS699X **Special Criminological Problems; Policy Research for Criminologists**

CCJS699X Special Criminological Problems: Policy Research for Criminologists; (3 credits) Grade Method: REG/AUD.

0101	Peter Reuter F 10:00am - 12:45pm	Seats (Total: 20) LEF 2165E

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Spring 2014

CHBE101 **Introduction to Chemical and Biomolecular Engineering**

CHBE101 *(PermReq)* **Introduction to Chemical and Biomolecular Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department. Corequisite: MATH141. Restriction: Must be in Engineering: Chemical program; or permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE101 or ENCH215. Formerly: ENCH215. Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Instructor: TBA	Seats (Total: 85)	
	MWF 12:00pm - 12:50pm	CHE 2110	
	F 1:00pm - 1:50pm	JMP 3201	Discussion

CHBE302 **Chemical and Biomolecular Engineering Thermodynamics II**

CHBE302 *(PermReq)* **Chemical and Biomolecular Engineering Thermodynamics II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE301. Corequisite: CHBE250. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE302 or ENCH400. Formerly: ENCH400. Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

0101	Instructor: TBA	Seats (Total: 80)	
	TuTh 9:30am - 10:45am	EGR 1202	
	F 1:00pm - 1:50pm	CHE 2108	Discussion

CHBE333 **Chemical Engineering Seminar**

CHBE333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Junior standing; and must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE333 or ENCH333. Formerly: ENCH333. To develop oral communication skills through a series of class presentations of current chemical engineering topics.

0101	Sheryl Ehrman W 2:00pm - 2:50pm	Seats (Total: 15) EGR 3111
0102	Mikhail Anisimov W 11:00am - 11:50am	Seats (Total: 15) CHE 2145

CHBE338N **Special Topics Seminar in Chemical and Biomolecular Engineering; Nuclear Waste Issues**

CHBE338N *(PermReq)* **Special Topics Seminar in Chemical and Biomolecular Engineering: Nuclear Waste Issues; (1 credit)** Grade Method: REG/P-F/AUD.
To develop oral communication skills through a series of class presentations with emphasis on technological issues associated with nuclear waste and its mitigation.

0101	Richard Calabrese Th 3:30pm - 4:20pm	Seats (Total: 15) CHE 2145

CHBE424 **Chemical and Biomolecular Engineering Transport Phenomena II**

CHBE424 *(PermReq)* **Chemical and Biomolecular Engineering Transport Phenomena II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE422. Corequisite: CHBE302. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE424 or ENCH424. Formerly: ENCH424.
Principles of mass and heat transfer as applied to model development and process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coefficients with application to turbulent flow. Microscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coefficients with application to turbulent flow. Heat exchanger design.

0101	Richard Calabrese TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 70) CHE 2108 CHE 2108	 Discussion

CHBE426 **Chemical and Biomolecular Separation Processes**

CHBE426 *(PermReq)* **Chemical and Biomolecular Separation Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: CHBE302. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE426 or ENCH426. Formerly: ENCH426. Separation by stages operations. Rate dependent separation processes. Design application in distillation, gas absorption, liquid extraction, drying, adsorption and ion exhange.

0101	Amy Karlsson MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 70) CHE 2108 CHE 2110	 Discussion

CHBE446 **Process Engineering Economics and Design II**

CHBE446 *(PermReq)* **Process Engineering Economics and Design II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE442 and CHBE444. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE446 or ENCH446. Formerly: ENCH446. Application of chemical engineering principles for the design of chemical processing equipment. Representative problems in the design of chemical plants will be the focus of this capstone design class. Comprehensive reports are required.

0101	Raymond Adomaitis W 3:00pm - 5:40pm	Seats (Total: 40) KEB 1200
0201	Nam Sun Wang Th 8:00am - 10:40am	Seats (Total: 40) CHE 2136

CHBE473 **Electrochemical Energy Engineering**

CHBE473 *(PermReq)* **Electrochemical Energy Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468K or CHBE473. Formerly: ENCH468K. The lecture will start from the basic electrochemical thermodynamics and kinetics, with emphasis on electrochemical techniques, fundamental principle and performance of batteries, and supercapacitors.

0101	Chunsheng Wang	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	JMP 3201

CHBE476 **Molecular Modeling Methods**

CHBE476 *(PermReq)* **Molecular Modeling Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468P or CHBE476. Formerly: ENCH468P. Statistical mechanics will be introduced to give the fundamental background for atomic to mesoscale molecular modeling. Classical atomic-level simulations methods (Monte Carlo and Molecular Dynamics) and the procedures to develop intra- and intermolecular potentials will be covered. This course will also discuss the theory and application of coarse-grained molecular simulations, mesoscale simulations and other modern simulation techniques. A broad range of applications will be included throughout the semester, e.g., phase behavior of small molecules, kinetics, and biophysics.

0101	Jeffery Klauda	Seats (Total: 33)
	TuTh 12:30pm - 1:45pm	EGR 1104

CHBE477 **Mesoscopic and Nanoscale Thermodynamics**

CHBE477 *(PermReq)* **Mesoscopic and Nanoscale Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A prior course in classical thermodynamics. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE477 or ENCH468Q. Formerly: ENCH468Q. Interdisciplinary course primarily for graduate and senior undergraduate students from engineering or science departments. New emerging technologies deal with bio-membrane and gene engineering, microreactor chemistry and microcapsule drug delivery, micro-fluids and porous media, nanoparticles and nanostructures, supercritical fluid extraction and artifical organs. Engineers often design processes where classical thermodynamics may be insufficient, e.g., strongly fluctuating and nanoscale systems, or dissipative systems under conditions far away from equilibrium.

0101	Mikhail Anisimov	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	CHE 2118

CHBE480 **Bionanotechnology: Physical Principles**

CHBE480 *(PermReq)* **Bionanotechnology: Physical Principles; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120 or BSCI105. And BCHM461; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Physics at nano/micro scales. Biomolecular building blocks. Simplest biomolecular assembly: protein folding. Nanoscale intermolecular interactions important for biology. Protein-ligand binding. Protein higher-order assembly: filaments, networks. Protein filaments and motility. DNA, RNA and their assembly assisted by proteins. Viral capsid assembly. Lipid assembly into micelles, bilayers. Lipid-protein co-assembly in membranes. Lipid and polymer structures useful in medicine. Targeted delivery of drugs, genes by nano/micro structures. Cellular assembly in the eye, in insect wings. Cellular assembly at surfaces: gecko feet, duck feathers. Cellular assembly in the presence of crystals: biomineralization.

0101	Srinivasa Raghavan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2110

CHBE482 **Biochemical Engineering**

CHBE482 *(PermReq)* **Biochemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE440. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE482 or ENCH482. Formerly: ENCH482. Introduction to biochemical and microbiological applications to commericail and engineering processes, including industrial fermentation, enzymology, ultrafiltration, food and pharmaceutical processing and resulting waste treatment. Enzyme kinetics, cell growth, energetics and mass transfer.

0101	Nam Sun Wang	Seats (Total: 40)
	MWF 11:00am - 11:50am	ITV 1100

CHBE487 **Tissue Engineering**

CHBE487 *(PermReq)* **Tissue Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed at least one biology course; and MATH241. Recommended: BSCI330 and BIOE340. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; or permission of ENGR-Chemical & Biomolecular Engineering department. Also offered as: BIOE411. Credit only granted for: BIOE411, CHBE487, or ENCH468T. Formerly: ENCH468T. A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered.

0101	John Fisher	Seats (Total: 20)
	W 2:00pm - 4:30pm	EGR 2154

CHBE495 **Nanoparticle Aerosol Dynamics and Particle Technology**

CHBE495 *(PermReq)* **Nanoparticle Aerosol Dynamics and Particle Technology; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. NanoParticles (NA) (

0101	Michael Zachariah	Seats (Total: 14)
	TuTh 9:30am - 10:45am	EGR 1104

CHEM Chemistry Spring 2014

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with CHEM132).
Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1115	Lenea Stocker TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 29) CHM 1407 CHM 2201	 Discussion
1116	Lenea Stocker TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 29) CHM 1407 CHM 2201	 Discussion
1118	Lenea Stocker TuTh 8:00am - 9:15am M 3:00pm - 3:50pm	Seats (Total: 29) CHM 1407 CHM 2201	 Discussion
1135	Lenea Stocker TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 29) CHM 1407 CHM 2201	 Discussion
1136	Lenea Stocker TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 29) CHM 1407 CHM 2201	 Discussion
1138	Lenea Stocker TuTh 8:00am - 9:15am W 3:00pm - 3:50pm	Seats (Total: 29) CHM 1407 CHM 2201	 Discussion
1214	William Hollinsed TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 29) CHM 1407 CHM 0128	 Discussion

1215	William Hollinsed TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 29) CHM 1407 CHM 0128	Discussion
1218	William Hollinsed TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 29) CHM 1407 CHM 0127	Discussion
1234	William Hollinsed TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 29) CHM 1407 CHM 0128	Discussion
1235	William Hollinsed TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 29) CHM 1407 CHM 0128	Discussion
1238	William Hollinsed TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 29) CHM 1407 CHM 0127	Discussion
1314	Alice Mignerey TuTh 12:30pm - 1:45pm M 11:00am - 11:50am	Seats (Total: 29) CHM 1407 CHM 0122	Discussion
1315	Alice Mignerey TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 29) CHM 1407 CHM 0122	Discussion
1317	Alice Mignerey TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 29) CHM 1407 CHM 0122	Discussion
1334	Alice Mignerey TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 29) CHM 1407 CHM 0122	Discussion
1335	Alice Mignerey TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 29) CHM 1407 CHM 0122	Discussion

1337	Alice Mignerey TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 29) CHM 1407 CHM 0122	 Discussion
SES1	Michelle Brooks M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 31) CHM 1402 CHM 0128	 Discussion
SES2	Michelle Brooks M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 18) CHM 1402 CHM 0124	 Discussion

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.* Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

1121	Lenea Stocker M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1105	 Lab
1122	Lenea Stocker M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1106	 Lab
1123	Lenea Stocker M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1110	 Lab
1131	Lenea Stocker M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1105	 Lab

1132	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1106	Lab
1212	Lenea Stocker Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1106	Lab
1221	Lenea Stocker Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1105	Lab
1222	Lenea Stocker Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1106	Lab
1231	Lenea Stocker Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1105	Lab
1232	Lenea Stocker Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1106	Lab
1241	Instructor: TBA Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1105	Lab
1312	Lenea Stocker W 8:00am - 10:50am	Seats (Total: 18) CHM 1106	Lab
1321	Lenea Stocker W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1105	Lab
1322	Lenea Stocker W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1106	Lab
1331	Lenea Stocker W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1105	Lab
1332	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1106	Lab
1341	Lenea Stocker W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1105	Lab
1342	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1106	Lab

1411	Lenea Stocker Th 8:00am - 10:50am	Seats (Total: 18) CHM 1105	Lab
1422	Lenea Stocker Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1106	Lab
1431	Lenea Stocker Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1105	Lab
1432	Lenea Stocker Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1106	Lab
1511	Lenea Stocker F 8:00am - 10:50am	Seats (Total: 18) CHM 1106	Lab
1521	Lenea Stocker F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1105	Lab
1522	Lenea Stocker F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1106	Lab
1531	Lenea Stocker F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1105	Lab
1532	Lenea Stocker F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1106	Lab
SES1	Lenea Stocker W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1110	Lab
SES2	Lenea Stocker W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 18) CHM 1111	Lab

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, or CHEM146.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	John Ondov MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 28) CHM 1407 CHM 0128	 Discussion
3127	John Ondov MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 28) CHM 1407 CHM 0128	 Discussion
3128	John Ondov MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 28) CHM 1407 CHM 0128	 Discussion
3145	John Ondov MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 28) CHM 1407 CHM 0128	 Discussion
3147	John Ondov MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 28) CHM 1407 CHM 0128	 Discussion
3148	John Ondov MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 28) CHM 1407 CHM 0128	 Discussion
3224	Cheng Lee MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 28) BRB 1101 CHM 0127	 Discussion
3227	Cheng Lee MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 28) BRB 1101 CHM 0127	 Discussion

3228	Cheng Lee MWF 8:00am - 8:50am Tu 3:30pm - 4:20pm	Seats (Total: 28) BRB 1101 CHM 0127	Discussion
3244	Cheng Lee MWF 8:00am - 8:50am Th 11:00am - 11:50am	Seats (Total: 28) BRB 1101 CHM 0127	Discussion
3247	Cheng Lee MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 28) BRB 1101 CHM 0127	Discussion
3248	Cheng Lee MWF 8:00am - 8:50am Th 3:30pm - 4:20pm	Seats (Total: 28) BRB 1101 CHM 0127	Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.

Prerequisite: Must have completed or be concurrently enrolled in CHEM135.

Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. Students must pay a $40.00 lab materials fee.

3130	Natalia White M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1110	Lab
3131	Natalia White M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1111	Lab
3230	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1110	Lab
3231	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1111	Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5116	Frederick Khachik TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5117	Frederick Khachik TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5118	Frederick Khachik TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5136	Frederick Khachik TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5137	Frederick Khachik TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5138	Frederick Khachik TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 36) CHM 1407 CHM 0128	Discussion
5221	Bonnie Dixon MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 34) CHM 1407 CHM 0119	Discussion
5222	Bonnie Dixon MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 34) CHM 1407 CHM 0119	Discussion

5225	Bonnie Dixon MWF 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 34) CHM 1407 CHM 0119	Discussion
5241	Bonnie Dixon MWF 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 34) CHM 1407 CHM 0119	Discussion
5242	Bonnie Dixon MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 34) CHM 1407 CHM 0119	Discussion
5245	Bonnie Dixon MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 34) CHM 1407 CHM 0119	Discussion
5322	Lee Friedman MWF 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 34) CHM 1407 CHM 1228	Discussion
5325	Lee Friedman MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 34) CHM 1407 KEB 1200	Discussion
5328	Lee Friedman MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 34) CHM 1407 CHM 0119	Discussion
5342	Lee Friedman MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 34) CHM 1407 CHM 1228	Discussion
5345	Lee Friedman MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 34) CHM 1407 CHM 1228	Discussion
5348	Lee Friedman MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 34) CHM 1407 CHM 0119	Discussion

5421	Joseph Houck MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 34) CHM 1407 CHM 0115	Discussion
5427	Joseph Houck MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 0115	Discussion
5428	Joseph Houck MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 34) CHM 1407 CHM 0115	Discussion
5441	Joseph Houck MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 34) CHM 1407 CHM 0115	Discussion
5447	Joseph Houck MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 34) CHM 1407 CHM 0115	Discussion
5448	Joseph Houck MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 34) CHM 1407 CHM 0115	Discussion
SES1	William Hollinsed M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 0122	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	William Hollinsed M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1224 CHM 1224	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM232 Organic Chemistry Laboratory I

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography. Students must pay a $40.00 lab materials fee.

5123	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5124	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5125	Frederick Khachik M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
5130	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
5131	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
5132	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5134	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5135	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5141	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5142	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5144	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab

5145	Frederick Khachik M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5221	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5222	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5223	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5224	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5225	Frederick Khachik Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
5231	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
5232	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5233	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5234	Frederick Khachik Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5241	Frederick Khachik Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1330	Lab
5244	Frederick Khachik Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1356	Lab
5312	Frederick Khachik W 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5322	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab

5323	Instructor: TBA W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5324	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5331	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
5332	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5333	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5334	Frederick Khachik W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5341	Instructor: TBA W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1330	Lab
5411	Frederick Khachik Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
5421	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
5422	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1342	Lab
5423	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5424	Frederick Khachik Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5432	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5433	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab

5434	Frederick Khachik Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5523	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
SES1	Frederick Khachik W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1346	Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SES2	Frederick Khachik W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1342	Lab
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM232S **Organic Chemistry Laboratory I**

CHEM232S Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography. Students must pay a $40.00 laboratory materials fee.

5133	Frederick Khachik M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5321	Frederick Khachik W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab

CHEM237 **Principles of Organic Chemistry I**

CHEM237 Principles of Organic Chemistry I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, or CHEM147); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: CHEM233, (CHEM231 and CHEM232), or CHEM237. The chemistry of carbons: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters, and spectroscopy. Students must pay a $40.00 lab materials fee.

5411	Lyle Isaacs	Seats (Total: 16)	
	MWF 2:00pm - 2:50pm	CHM 1402	
	W 3:00pm - 5:50pm	CHM 1360	Lab
	Tu 12:30pm - 1:20pm	CHM 0122	Discussion
5421	Lyle Isaacs	Seats (Total: 16)	
	MWF 2:00pm - 2:50pm	CHM 1402	
	Th 12:30pm - 3:20pm	CHM 1360	Lab
	Tu 12:30pm - 1:20pm	CHM 0122	Discussion
5431	Lyle Isaacs	Seats (Total: 16)	
	MWF 2:00pm - 2:50pm	CHM 1402	
	Tu 3:30pm - 6:20pm	CHM 1360	Lab
	Tu 2:00pm - 2:50pm	CHM 0122	Discussion
5441	Lyle Isaacs	Seats (Total: 16)	
	MWF 2:00pm - 2:50pm	CHM 1402	
	Tu 6:30pm - 9:20pm	CHM 1360	Lab
	Tu 2:00pm - 2:50pm	CHM 0122	Discussion
5451	Lyle Isaacs	Seats (Total: 16)	
	MWF 2:00pm - 2:50pm	CHM 1402	
	Th 3:30pm - 6:20pm	CHM 1360	Lab
	Tu 3:30pm - 4:20pm	CHM 0122	Discussion
5461	Lyle Isaacs	Seats (Total: 16)	
	MWF 2:00pm - 2:50pm	CHM 1402	
	F 3:00pm - 5:50pm	CHM 1360	Lab
	Tu 3:30pm - 4:20pm	CHM 0122	Discussion

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6121	Michael Doyle MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 2201	 Discussion
6125	Michael Doyle MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 2201	 Discussion
6127	Michael Doyle MWF 8:00am - 8:50am Tu 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 CHM 2201	 Discussion
6141	Michael Doyle MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 2201	 Discussion
6145	Michael Doyle MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 2201	 Discussion
6147	Michael Doyle MWF 8:00am - 8:50am Th 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 CHM 2201	 Discussion
6222	Bonnie Dixon MWF 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 30) HJP 0226 CHM 0128	 Discussion
6225	Bonnie Dixon MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) HJP 0226 CHM 0127	 Discussion

6227	Bonnie Dixon MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 CHM 1228	Discussion
6242	Bonnie Dixon MWF 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 30) HJP 0226 CHM 0128	Discussion
6245	Bonnie Dixon MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) HJP 0226 CHM 0127	Discussion
6247	Bonnie Dixon MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 CHM 0122	Discussion
6321	Michael Montague-Smith MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0122	Discussion
6322	Michael Montague-Smith MWF 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0122	Discussion
6325	Michael Montague-Smith MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 BPS 1124	Discussion
6341	Michael Montague-Smith MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0122	Discussion
6342	Michael Montague-Smith MWF 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0122	Discussion
6345	Michael Montague-Smith MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 0122	Discussion

SES1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 22) PLS 1140 CHM 2201	Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 lab materials fee.

6121	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6131	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6132	Instructor: TBA M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6142	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1308	Lab
6211	Lee Friedman Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6221	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6222	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab

6231	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6232	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6233	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6242	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1308	Lab
6243	Instructor: TBA Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1326	Lab
6311	Lee Friedman W 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6322	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6323	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6331	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6332	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6333	Instructor: TBA W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6341	Lee Friedman W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Lee Friedman Th 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6421	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab

6422	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6432	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6433	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6523	Instructor: TBA F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
SES2	Lee Friedman W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1326	Lab
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click herefor comp lete program details including program eligibility information, tuition fee information and registration instructions.		

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2122	Douglas Julin MW 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0115	Discussion
2124	Douglas Julin MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0115	Discussion

2125	Douglas Julin MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0115	 Discussion
2142	Douglas Julin MW 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 39) CHM 1407 CHM 0115	 Discussion
2144	Douglas Julin MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 39) CHM 1407 CHM 0115	 Discussion
2145	Douglas Julin MW 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 39) CHM 1407 CHM 0115	 Discussion
2224	Douglas Julin MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion
2227	Douglas Julin MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 0119	 Discussion
2228	Douglas Julin MW 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion
2244	Douglas Julin MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion
2247	Douglas Julin MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 41) CHM 1407 CHM 0119	 Discussion
2248	Douglas Julin MW 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 41) CHM 1407 CHM 2201	 Discussion

SES1	Daniel Gowetski M 6:00pm - 7:50pm W 6:30pm - 7:20pm	Seats (Total: 24) CHM 1228 CHM 1228	 Discussion
	This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

7121	Joseph Houck F 9:00am - 9:50am M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7131	Joseph Houck F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7132	Joseph Houck F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7331	Joseph Houck F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7332	Joseph Houck F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

7421	Joseph Houck F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7422	Joseph Houck F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7521	Instructor: TBA F 9:00am - 9:50am F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7531	Joseph Houck F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
7532	Instructor: TBA F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8121	Instructor: TBA F 12:00pm - 12:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8142	Joseph Houck F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8212	Joseph Houck F 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8221	Joseph Houck F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8222	Joseph Houck F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

8231	Joseph Houck F 12:00pm - 12:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8241	Joseph Houck F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8242	Joseph Houck F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8341	Joseph Houck F 12:00pm - 12:50pm W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8431	Joseph Houck F 12:00pm - 12:50pm Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
8512	Instructor: TBA F 12:00pm - 12:50pm F 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
SES1	Joseph Houck M 8:00pm - 8:50pm W 7:30pm - 10:30pm *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) CHM 1228 CHM 1128	 Lab

CHEM276 General Chemistry and Energetics - Majors

CHEM276 General Chemistry and Energetics - Majors; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM277. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM153. An introduction to the physical aspects of chemistry for Biochemistry and Chemistry majors. Chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

0224	Amy Mullin WF 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 34) CHM 1228 CHM 0122	 Discussion

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

0223	Joseph Houck M 3:00pm - 3:50pm TuTh 3:30pm - 6:20pm	Seats (Total: 24) CHM 0115 CHM 1128	 Lab
0232	Joseph Houck M 3:00pm - 3:50pm WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 0115 CHM 1128	 Lab

CHEM395 **Professional Issues in Chemistry and Biochemistry**

CHEM395 Professional Issues in Chemistry and Biochemistry; (1 credit) Grade Method: S-F.
Restriction: Junior standing or higher; and must be in one of the following programs (Chemistry; Biochemistry). Seminar on professional issues. Professional responsibilities, ethics, interview techniques, career opportunities, graduate/professional school, race and gender issues.

0101	Michael Montague-Smith, Frederick Khachik Tu 11:00am - 11:50am	Seats (Total: 113) CHM 1402

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Montague-Smith.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research**

CHEM399X *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequsite: permission of department.

0101	Michael Montague-Smith Contact instructor or department for details.	Seats (Total: 5)	

CHEM401 **Inorganic Chemistry**

CHEM401 Inorganic Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247; or must have completed CHEM243. An overview of basic concepts of the electronic structure of the elements, chemical bonding and reactivity, from simple diatomic molecules to coordination compounds. These are viewed from simple (Lewis) to the most comprehensive molecular orbital theory. Symmetry and group theory are used throughout the course.

0101	Efrain Rodriguez MWF 10:00am - 10:50am	Seats (Total: 100) CHM 1402	

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277). Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 lab materials fee.

0101	Sangbok Lee MW 11:00am - 11:50am MW 1:00pm - 4:00pm	Seats (Total: 10) CHM 0115 CHM 3205	 Lab
0102	Sangbok Lee MW 11:00am - 11:50am TuTh 12:30pm - 3:20pm	Seats (Total: 10) CHM 0115 CHM 3205	 Lab
0104	Sangbok Lee MW 11:00am - 11:50am TuTh 9:30am - 12:20pm	Seats (Total: 10) CHM 0115 CHM 3205	 Lab
0105	Sangbok Lee MW 11:00am - 11:50am MW 6:00pm - 9:00pm	Seats (Total: 10) CHM 0115 CHM 3205	 Lab

0109	Sangbok Lee MW 11:00am - 11:50am TuTh 6:00pm - 9:00pm	Seats (Total: 10) CHM 0115 CHM 3205	 Lab

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM272 and CHEM271; or minimum grade of C- in CHEM276 and CHEM277. And (PHYS142 and MATH141). A course primarily for chemists and chemical engineers.

0101	YuHuang Wang MWF 9:00am - 9:50am	Seats (Total: 60) CHM 2201	

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM481. A course primarily for chemists and chemical engineers.

0101	Zhihong Nie MWF 8:00am - 8:50am	Seats (Total: 90) CHM 1402	

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 Laboratory Materials fee.

0101	Earle Stone F 3:00pm - 3:50pm M 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0102	Earle Stone F 3:00pm - 3:50pm Tu 2:30pm - 5:20pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab

0103	Earle Stone F 3:00pm - 3:50pm W 2:00pm - 4:50pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab
0104	Instructor: TBA F 3:00pm - 3:50pm Th 2:30pm - 5:20pm	Seats (Total: 18) CHM 1402 CHM 3221	 Lab

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483; and must have completed or be concurrently enrolled in CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Earle Stone F 11:00am - 11:50am Tu 2:30pm - 5:20pm	Seats (Total: 12) CHM 0128 CHM 3217	 Lab
0102	Earle Stone F 11:00am - 11:50am W 3:00pm - 5:50pm	Seats (Total: 12) CHM 0128 CHM 3217	 Lab
0103	Earle Stone F 11:00am - 11:50am Th 2:30pm - 5:20pm	Seats (Total: 12) CHM 0128 CHM 3217	 Lab

CHEM498E **Special Topics in Chemistry; Entrepreneurship in Chemical and Life Sciences**

CHEM498E Special Topics in Chemistry: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ben Woodard, Frederick Khachik, Martha Connolly Th 2:00pm - 4:45pm	Seats (Total: 30) POT 2111	

CHEM602 **Advanced Inorganic Chemistry II**

CHEM602 Advanced Inorganic Chemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM601; or permission of instructor. A continuation of CHEM 601 with emphasis on the application of contemporary spectroscopic techniques to inorganic problems.

0101	Bryan Eichhorn	Seats (Total: 15)
	TuTh 9:30am - 10:45am	CHE 2116

CHEM608P **Selected Topics in Inorganic Chemistry; Polymer Chemistry**

CHEM608P Selected Topics in Inorganic Chemistry: Polymer Chemistry; (1-3 credits) Grade Method: REG/AUD.

0101	Lawrence Sita	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	CHM 1228

CHEM608V **Selected Topics in Inorganic Chemistry; Organometallic Chemistry**

CHEM608V Selected Topics in Inorganic Chemistry: Organometallic Chemistry; (3 credits) Grade Method: REG/AUD.

0101	Andrei Vedernikov	Seats (Total: 20)
	MWF 10:00am - 10:50am	CHM 0127

CHEM608Z **Selected Topics in Inorganic Chemistry; Nanoparticle Aerosol Dynamics and Particle Technology**

CHEM608Z *(PermReq)* **Selected Topics in Inorganic Chemistry: Nanoparticle Aerosol Dynamics and Particle Technology; (3 credits)** Grade Method: REG/AUD.

0101	Michael Zachariah	Seats (Total: 5)
	TuTh 9:30am - 10:45am	EGR 1104

CHEM623 **Optical Methods of Quantitative Analysis**

CHEM623 Optical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department. The quantitative applications of various methods of optical spectroscopy.

0101	Neil Blough MWF 2:00pm - 2:50pm	Seats (Total: 15) CHM 1228

CHEM647 **Organic Synthesis**

CHEM647 Organic Synthesis; (3 credits) Grade Method: REG/AUD.
The use of new reagents in organic reactions; multistep syntheses leading to natural products of biological interest; stereospecific and regiospecific reactions and their use in total synthesis.

0101	Herman Sintim MWF 9:00am - 9:50am	Seats (Total: 20) CHM 1228

CHEM648E **Special Topics in Organic Chemistry; Ethics in Scientific Research**

CHEM648E *(PermReq)* **Special Topics in Organic Chemistry: Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Prerequisite: Completion of one year of graduate study and permission of instructor. Also offered as BIOL600, NACS600, and PSYC788B. Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest.

0101	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208
0102	Cynthia Moss, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 10) BPS 2249

CHEM648F **Special Topics in Organic Chemistry; Supramolecular Chemistry**

CHEM648F Special Topics in Organic Chemistry: Supramolecular Chemistry; (3 credits) Grade Method: REG/AUD.

0101	Jeffery Davis TuTh 8:00am - 9:15am	Seats (Total: 20) CHM 1224

CHEM650 **Problems in Organic Synthesis**

CHEM650 Problems in Organic Synthesis; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with mechanistic problems from the current literature of organic sysnthesis.

0101	Daniel Falvey	Seats (Total: 40)
	F 12:00pm - 12:50pm	CHM 2201

CHEM687 **Statistical Mechanics and Chemistry**

CHEM687 Statistical Mechanics and Chemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM684; or students who have taken courses with comparable content may contact the department.

0101	John Weeks	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CHM 0124

CHEM691 **Quantum Chemistry II**

CHEM691 Quantum Chemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM690 or PHYS622.

0101	Millard Alexander	Seats (Total: 22)
	TuTh 11:00am - 12:15pm	CHM 1228

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM699A **Special Problems in Chemistry; Biological Mass Spectrometry**

CHEM699A Special Problems in Chemistry: Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD.
Also offered as BCHM676 and BIOE689B.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

CHEM705 **Nuclear Chemistry**

CHEM705 Nuclear Chemistry; (3 credits) Grade Method: REG/AUD.
Nuclear structure models, radioactive decay processes, nuclear reactions in complex nuclei, fission, nucleosynthesis and nuclear particle accelerators.

0101	Alice Mignerey	Seats (Total: 15)
	MW 4:00pm - 5:15pm	CHM 1228

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Alice Mignerey	Seats (Total: 25)
	F 3:00pm - 5:00pm	CHM 1224

CHEM889C **Seminar; Inorganic Chemistry**

CHEM889C Seminar: Inorganic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Lyle Isaacs	Seats (Total: 15)
	Th 11:00am - 11:50am	CHM 0124

CHEM889D **Seminar; Organic Chemistry**

CHEM889D Seminar: Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Lyle Isaacs	Seats (Total: 25)
	Th 11:00am - 11:50am	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889F and CHPH709A.

0101	Amy Mullin	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889E and CHPH709A.

0101	Amy Mullin	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889G **Seminar; Physical Organic Chemistry**

CHEM889G Seminar: Physical Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889M **Seminar; Materials Chemistry**

CHEM889M Seminar: Materials Chemistry; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Spring 2014

CHIN102 **Elementary Spoken Chinese**

Non-majors: please refer to the Foreign Language Placement Section of the ARHU Web site.

CHIN102 *(PermReq)* **Elementary Spoken Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.* Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

0101	Yuli Wang MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1117
0201	Yuli Wang MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1117

CHIN103 **Elementary Written Chinese**

CHIN103 *(PermReq)* **Elementary Written Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.* Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN102.

0101	Jungjung Lee-Heitz TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1117
0201	Jungjung Lee-Heitz TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 1117

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**
Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**
Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**
Contact department for information to register for this course.

CHIN202 **Intermediate Written Chinese I**
Contact department for information to register for this course.

CHIN203 **Intermediate Spoken Chinese II**

CHIN203 *(PermReq)* **Intermediate Spoken Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Continuation of CHIN201.

0101	Mei Kong MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 0103
0201	Mei Kong MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 0103

CHIN204 **Intermediate Written Chinese II**

CHIN204 *(PermReq)* **Intermediate Written Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score. Continuation of CHIN202.

0101	Jungjung Lee-Heitz TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1117
0201	Jungjung Lee-Heitz TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1117

CHIN205 **Intermediate Chinese - Accelerated Track**

CHIN205 *(PermReq)* **Intermediate Chinese - Accelerated Track; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Prerequisite: Must have attained appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed CHIN201, CHIN203, CHIN202, or CHIN204. Accelerated instruction in Mandarin Chinese at the intermediate level for students with prior Chinese language background, either through home use or formal instruction.

0101	Guiling Hu	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3203

CHIN213 **Chinese Poetry into English: An Introduction**

CHIN213 Chinese Poetry into English: An Introduction; (3 credits) Grade Method: REG/P-F. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0101	Andrew Schonebaum	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2206

CHIN269C **Special Topics in Study Abroad II; Modern Chinese Culture and Society I**
Contact department for information to register for this course.

CHIN269D **Special Topics in Study Abroad II; Chinese Conversation**
Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese**
Contact department for information to register for this course.

CHIN269K **Special Topics in Study Abroad II; Intermediate Chinese II**
Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**
Contact department for information to register for this course.

CHIN269V **Special Topics in Study Abroad II; Chinese Calligraphy I**
Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**
Contact department for information to register for this course.

CHIN269Z **Special Topics in Study Abroad II; Modern Chinese Culture and Society**
Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**
Contact department for information to register for this course.

CHIN302 **Advanced Chinese II**

CHIN302 *(PermReq)* **Advanced Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN301; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors. Continuation of CHIN301.

0101	Guiling Hu	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3203

CHIN306 **Life in China through TV Plays II**

CHIN306 *(PermReq)* **Life in China through TV Plays II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN305; or permission of ARHU-School of Languages, Literatures, and Cultures department. Continuation of CHIN305 using authentic Chinese language material in TV plays to learn about society and life in China.

0101	Mei Kong	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	JMZ 1117

CHIN307 **Linguistic Landscape of China**

CHIN307 *(PermReq)* **Linguistic Landscape of China; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: Must have completed CHIN204 or above; or permission of Chinese Program Advisor. Comprehensive introduction to Chinese and other major languages in the Sino-Tibetan, Altaic, Austroasiatic, and Austronesian families, all of which are spoken in China. Taught in English.

0101	Minglang Zhou	Seats (Total: 25)
	TuTh 9:30am - 10:45am	JMZ 2123

CHIN331 **Chinese Calligraphy: Theory and Practice**

CHIN331 Chinese Calligraphy: Theory and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHIN220; or permission of instructor. History of the writing system; major scripts, modes, and styles. Intermediate brushwork and lectures on the culture. Characters for practice selected to correspond to lecture topics. Taught in English.

0101	Yuli Wang	Seats (Total: 25)
	Th 12:30pm - 3:15pm	JMZ 0205

CHIN369A **Special Topics in Study Abroad III; China Practicum and Connecting Across Cultures**
Contact department for information to register for this course.

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**
Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**
Contact department for information to register for this course.

CHIN369D **Special Topics in Study Abroad III; Advanced Chinese III**
Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**
Contact department for information to register for this course.

CHIN369F **Special Topics in Study Abroad III; Advanced Chinese V**
Contact department for information to register for this course.

CHIN369G	**Special Topics in Study Abroad III; Advanced Chinese VI** **Contact department for information to register for this course.**
CHIN369I	**Special Topics in Study Abroad III; Advanced Chinese VII** **Contact department for information to register for this course.**
CHIN369J	**Special Topics in Study Abroad III; Advanced Chinese VIII** **Contact department for information to register for this course.**
CHIN369M	**Special Topics in Study Abroad III; Modern Chinese Culture II** **Contact department for information to register for this course.**
CHIN386	**Experiential Learning** **Contact department for information to register for this course.**
CHIN401	**Readings in Modern Chinese I** **Contact department for information to register for this course.**

CHIN402 **Readings in Modern Chinese II**

CHIN402 *(PermReq)* **Readings in Modern Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN401; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors. Continuation of CHIN401.

0101	Guiling Hu MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 3203
0201	Yuli Wang MWF 12:00pm - 12:50pm	Seats (Total: 10) JMZ 3205

CHIN412 **Business Chinese II**

CHIN412 *(PermReq)* **Business Chinese II; (3 credits)** Grade Method: REG/P-F.
Prerequisite: CHIN402; or permission of ARHU-School of Languages, Literatures, and Cultures department. And must have taken a placement interview offered by the department for Non-majors. Continuation of CHIN411.

0101	Mei Kong	Seats (Total: 15)
	MWF 3:00pm - 3:50pm	JMZ 1117

CHIN418 **Special Topics in Contemporary Chinese Fiction and Film; Recently Awarded Literature and Film**

CHIN418 *(PermReq)* **Special Topics in Contemporary Chinese Fiction and Film: Recently Awarded Literature and Film; (3 credits)** Grade Method: REG/P-F/AUD. Taught in Chinese.

0101	Guiling Hu	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 3203

CHIN443 **Cultural Histories of Medicine in China**

CHIN443 Cultural Histories of Medicine in China; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of department, School of Languages, Literatures and Cultures.
Investigates medical knowledge through traditional Chinese approaches to the body and beliefs about healing, including acupuncture, herbal medicine, prayer, ritual and folk medicine. Taught in English.

0101	Andrew Schonebaum	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 2207

CHIN499 **Directed Study in Chinese**

CHIN499 *(PermReq)* **Directed Study in Chinese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN499A **Directed Study in Chinese; Advanced Chinese V**
Contact department for information to register for this course.

CHIN499C **Directed Study in Chinese; Advanced Chinese VI**
Contact department for information to register for this course.

CHPH618 **Special Projects in Chemical Physics**

CHPH618 Special Projects in Chemical Physics; (2 credits) Grade Method: REG/AUD.

0101	Eun-Suk Seo	Seats (Total: 10)
	Contact instructor or department for details.	

CHPH707 **Advanced Laboratory - Photon Correlation Spectroscopy of Soft Matter**

CHPH707 Advanced Laboratory - Photon Correlation Spectroscopy of Soft Matter; (3-4 credits) Grade Method: S-F.
Repeatable to 3 credits. Additional information: The course will include a theoretical introduction and an individual experimental project conforming to student background and interests. A short on-line exam on laser safety is required prio to experimental work. The course is based at the Photon Correlation Spectroscopy facility, also known as Dynamic Light Scattering (DLS). The DLS has three state-of-the-art instruments for the characterization of nano-and meso-scale heterogeneities in soft-matter materials, such as nanoparticles, polymers, protein molecules in solution, gels, and microemulsions.

1312	Mikhail Anisimov	Seats (Total: 10)
	TBA	IPT 2115

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 889E and CHEM 889F.

0101	Amy Mullin	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

CHPH709B Seminar in Chemical Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS709.

0101	Instructor: TBA Tu 1:15pm - 2:30pm	Seats (Total: 30) IPT 1116

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS798L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) PHY 0405

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS838A.

0101	Theodore Einstein, William Cullen M 12:00pm - 1:00pm F 3:00pm - 5:00pm	Seats (Total: 3) PHY 0405 PHY 1204

CHPH718E **Special Topics in Chemical Physics; Mesoscopic and Nanoscale Thermodynamics**

CHPH718E Special Topics in Chemical Physics: Mesoscopic and Nanoscale Thermodynamics; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH648Q.

0101	Mikhail Anisimov TuTh 5:00pm - 6:15pm	Seats (Total: 10) CHE 2118

CHPH718F **Special Topics in Chemical Physics; Methods of Statistical Physics**

CHPH718F Special Topics in Chemical Physics: Methods of Statistical Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as PHYS603.

0101	Theodore Einstein TuTh 9:30am - 10:45am	Seats (Total: 49) PHY 1201

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH718Z **Special Topics in Chemical Physics; Biosensor Techniques**

CHPH718Z Special Topics in Chemical Physics: Biosensor Techniques; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE631. Credit will be granted for only one of the following: BIOE631, BIOE689Z, or CHPH718Z.

0101	Ian White MW 11:00am - 12:15pm	Seats (Total: 10) EGR 1108
BI01	Ian White Class time/details on ELMs	Seats (Total: 5) ONLINE

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Spring 2014

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**
Contact department for information to register for this course.

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit. An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Gregory Staley MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 JMZ 0103	Discussion
0102	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 1124	Discussion
0103	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0119	Discussion
0104	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 CHM 0124	Discussion
0105	Gregory Staley MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 0120	Discussion

0106	Gregory Staley MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 EGR 3102	Discussion
0107	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 3102	Discussion
0201	Gregory Staley MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 0122	Discussion
0202	Gregory Staley MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 JMZ 0118	Discussion
0203	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ARM 0118	Discussion
0204	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 CHM 0122	Discussion
0205	Gregory Staley MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 0125	Discussion
0206	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 CHM 0122	Discussion
0207	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 ARM 0120	Discussion
0208	Gregory Staley MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 EGR 1108	Discussion

CLAS171 Classical Myths in Europe

Contact department for information to register for this course.

CLAS309 **Special Topics in Classical Literature; Inventing Ancient Greek Culture**

CLAS309 Special Topics in Classical Literature: Inventing Ancient Greek Culture; (3 credits) Grade Method: REG/P-F/AUD.
Who were the ancient Greeks, and were they the founders of Western civilization? This course, which has both lecture and class discussion components, will examine the foundations of Greek civilization. Through an analysis of the historical, archaeological, and linguistic evidence, it will shed light on the so-called Black Athena Controversy, which raised doubts about the ancient Greek contribution to Western Culture. The course also focuses on the impact of modern politics on scholarly discussions of antiquity and the ways in which the Culture Wars of the 1980s and 1990s have influenced analyses of the ancient Greek world.

0101	Eric Adler	Seats (Total: 35)
	MWF 12:00pm - 12:50pm	MMH 0108

CLAS320 **Women in Classical Antiquity**

CLAS320 Women in Classical Antiquity; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST320. Credit only granted for: CLAS320 or WMST320. A study of women's image and reality in ancient Greek and Roman societies through an examination of literary, linguistic, historical, legal and artistic evidence; special emphasis in women's role in the family, views of female sexuality, and the place of women in creative art. Readings in primary sources in translation and modern critical writings.

0101	Lillian Doherty	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	MMH 3418

CLAS330 **Ancient Greek Religion: Gods, Myths, Temples**

CLAS330 Ancient Greek Religion: Gods, Myths, Temples; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities.
Also offered as: RELS370. Credit only granted for: CLAS330 or RELS370. Survey of Greek religious ideas and practices as they evolve from the Bronze Age to the early Christian period.

0101	Jorge Bravo	Seats (Total: 34)
	TuTh 11:00am - 12:15pm	JMP 2202

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS499P **Independent Study in Classical Languages and Literatures; Classical Myth in Europe**
Contact department for information to register for this course.

CLFS Chemical and Life Sciences Spring 2014

CLFS001 **Life Science Assessment Test**
Contact department for information to register for this course.

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG.
Prerequisite: Permission of CMNS-Chemical & Life Sciences department. Restriction: Restricted to current high school and middle school teachers. Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree. Restricted to students in the CLFS program. Click here for more information.

PL01	Bretton Kent	Seats (Total: 20)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG. Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree). Restricted to students in the CLFS program. Click here for more information.

PL01	Michelle Brooks	Seats (Total: 15)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

CLFS608 *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Scholarly Paper; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to students in the CLFS program. Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register. Click here for more information.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

CLFS608A *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to students in the CLFS program. Contact the Office of Extended Studies (oes@umd.edu) to register. Click here for more information.

Contact department for information to register for this course.

CLFS609I **Special Topics; Endocrinology**

CLFS609I Special Topics: Endocrinology; (3 credits) Grade Method: REG/AUD. Restricted to students in the CLFS program. Click here for more information.

PL01	Tammatha O'Brien	Seats (Total: 20)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE

CLFS619D **Special Topics in Chemistry; Forensic Chemistry**

CLFS619D Special Topics in Chemistry: Forensic Chemistry; (3 credits) Grade Method: REG/AUD.
Restricted to students in the CLFS program. Click here for more information.

PL01	Michelle Brooks	Seats (Total: 24)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms. Restricted to students in the CLFS program. Click here for more information.

PL01	Paul Bottino	Seats (Total: 21)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD.
Credit only granted for: LFSC609C or LFSC665. Formerly: LFSC609C. Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01	Marcia Shofner	Seats (Total: 22)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to CLFS Major.	

CLFS690 **Biochemistry**

CLFS690 Biochemistry; (3 credits) Grade Method: REG/AUD.
An advanced overview of general biochemistry including a study of protein structure and their physical properties; how these properties relate to catalysis, regulation of catalysis and metabolic chemistry with respect to their relationship to physiological conditions. Restricted to students in the CLFS program. Click here for more information.

PL01	David Jollie	Seats (Total: 24)
	Meets March 3, 2014 - May 23, 2014	
	Contact instructor or department for details.	

CMLT Comparative Literature Spring 2014

CMLT235 **Black Diaspora Literature and Culture**

CMLT235 Black Diaspora Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: CMLT235 or ENGL235. Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.

0101	Abbey Morgan	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	ASY 3215

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Ines Rivera MWF 12:00pm - 12:50pm	Seats (Total: 30) SQH 1105
0201	Nataliya Pratsovyta TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 0109
0301	Andrea Knowles TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 1112

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST275. Credit only granted for: CMLT275 or WMST275.
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Lindsay Bogner TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 1112
0201	Uchechi Okereke-Beshel MWF 10:00am - 10:50am	Seats (Total: 30) PLS 1111

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts.

0101	Ana Farach TuTh 9:30am - 10:45am	Seats (Total: 30) HBK 0103

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Lauren Albright TuTh 11:00am - 12:15pm	Seats (Total: 30) PLS 1117
0201	James Hodapp MWF 1:00pm - 1:50pm	Seats (Total: 30) ASY 3215

CMLT298F **Topics in Comparative Studies; Jews and the Bible Through the Ages**

CMLT298F Topics in Comparative Studies: Jews and the Bible Through the Ages; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as JWST219F and RELS219F. Credit will be granted for one of the following: CMLT298F, JWST219F, or RELS219F. The Bible has been studied and used for guidance for millennia. In this course the Jewish commentators, their commentaries, and their world views will be explored both for insight into their societies and to gain a better perspective of our own.

0101	Joshua Dachman TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 2117

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of ARHU-English department.

Contact department for information to register for this course.

CMLT398B **Special Topics in Comparative Studies; Imagining the Other in Israeli Culture**

CMLT398B Special Topics in Comparative Studies: Imagining the Other in Israeli Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349Q, JWST319Q, and HEBR498Q. Credit granted for following ISRL349Q, JWST319Q, CMLT398B, or HEBR498Q. Jews of Eastern European origins have dominated the cultural climate of contemporary Israel. Through an exploration of fiction, poetry, memoirs, and selected criticism, we will explore the ways in which the "other," is imagined in Israeli culture.

0101	Sheila Jelen	Seats (Total: 20)	
	MW 12:30pm - 1:45pm	TWS 3132	

CMLT398C **Special Topics in Comparative Studies; Cinema of Liberation**

CMLT398C Special Topics in Comparative Studies: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL329A. Repeatable to 9 credits if content differs.

0201	Eugene Robinson	Seats (Total: 28)	
	TuTh 12:30pm - 1:45pm	TWS 1107	
	Tu 3:30pm - 6:00pm	TWS 1107	Lab

CMLT398D **Special Topics in Comparative Studies; The Jazz Paradigm**

CMLT398D Special Topics in Comparative Studies: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379R. Prerequisite: two lower-level English courses.

0101	Eugene Robinson	Seats (Total: 28)	
	TuTh 11:00am - 12:15pm	TWS 1107	

CMLT679T **Topics in Comparative Studies; Seminar in Poetry Translation**

CMLT679T Topics in Comparative Studies: Seminar in Poetry Translation; (3 credits) Grade Method: REG/AUD.

0101	Michael Collier	Seats (Total: 20)	
	Th 3:30pm - 6:00pm	TWS 3132	

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788G **Practicum in Comparative Studies; Orientations in Film Theory: The Essay Film**

CMLT788G Practicum in Comparative Studies: Orientations in Film Theory: The Essay Film; (1 credit) Grade Method: S-F.
From a situation of relative neglect, the essay film has in recent years been resurrected as one of the most theoretically interesting cinematic genres. Class meets from 2-4pm on the following dates; 2/14, 2/28, 4/4 and 4/18 in HBK 0302H. Also offered as SLLC698G. Click here for more course information.

0101	Eric Zakim, Luka Arsenjuk	Seats (Total: 10)
	TBA	HBK 0302H

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC Computer Science Spring 2014

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed any courses from CMSC131-499 course range. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Fawzi Emad MWF 11:00am - 11:50am	Seats (Total: 75) CSI 3117	
0201	Fawzi Emad MWF 12:00pm - 12:50pm	Seats (Total: 75) CSI 3117	
0301	Fawzi Emad MWF 1:00pm - 1:50pm	Seats (Total: 75) CSI 3117	

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
Corequisite: MATH140; and permission of CMNS-Computer Science department. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

0101	Jandelyn Plane MWF 12:00pm - 12:50pm MW 8:00am - 8:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion
0102	Jandelyn Plane MWF 12:00pm - 12:50pm MW 9:00am - 9:50am	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion

0103	Jandelyn Plane MWF 12:00pm - 12:50pm MW 10:00am - 10:50am	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0104	Jandelyn Plane MWF 12:00pm - 12:50pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 1115 CSI 2118	Discussion
0201	Jandelyn Plane MWF 11:00am - 11:50am MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 2120	Discussion
0202	Jandelyn Plane MWF 11:00am - 11:50am MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 2120	Discussion
0203	Jandelyn Plane MWF 11:00am - 11:50am MW 10:00am - 10:50am	Seats (Total: 29) CSI 2117 CSI 2120	Discussion
0301	Thomas Reinhardt MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 29) CSI 2117 CSI 2118	Discussion
0302	Thomas Reinhardt MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 29) CSI 2117 CSI 2118	Discussion
0303	Thomas Reinhardt MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	Seats (Total: 29) CSI 2117 CSI 2118	Discussion
0401	Instructor: TBA MWF 2:00pm - 2:50pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 1115 CSI 2120	Discussion
0402	Instructor: TBA MWF 2:00pm - 2:50pm MW 12:00pm - 12:50pm	Seats (Total: 32) CSI 1115 CSI 2118	Discussion

0403	Thomas Reinhardt MWF 2:00pm - 2:50pm MW 1:00pm - 1:50pm	Seats (Total: 32) CSI 1115 CSI 2118	 Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Instructor: TBA MWF 3:00pm - 3:50pm MW 11:00am - 11:50am	Seats (Total: 33) CSI 1115 CSI 2107	 Discussion
0102	Instructor: TBA MWF 3:00pm - 3:50pm MW 12:00pm - 12:50pm	Seats (Total: 33) CSI 1115 CSI 2107	 Discussion
0103	Thomas Reinhardt MWF 3:00pm - 3:50pm MW 1:00pm - 1:50pm	Seats (Total: 33) CSI 1115 CSI 2107	 Discussion
0104	Thomas Reinhardt MWF 3:00pm - 3:50pm MW 12:00pm - 12:50pm	Seats (Total: 33) CSI 1115 CSI 2120	 Discussion
0201	Laurence Herman MWF 4:00pm - 4:50pm MW 11:00am - 11:50am	Seats (Total: 29) CSI 2117 CSI 1122	 Discussion
0202	Laurence Herman MWF 4:00pm - 4:50pm MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 2117 CSI 1122	 Discussion

0203	Laurence Herman MWF 4:00pm - 4:50pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 2117 CSI 1122	 Discussion
0301	Laurence Herman MWF 12:00pm - 12:50pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 2107	 Discussion
0302	Laurence Herman MWF 12:00pm - 12:50pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 2107	 Discussion
0303	Laurence Herman MWF 12:00pm - 12:50pm MW 10:00am - 10:50am	Seats (Total: 29) CSI 2117 CSI 2107	 Discussion
0401	Laurence Herman MWF 2:00pm - 2:50pm MW 8:00am - 8:50am	Seats (Total: 29) CSI 2117 CSI 1122	 Discussion
0402	Laurence Herman MWF 2:00pm - 2:50pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 2117 CSI 1122	 Discussion
0403	Laurence Herman MWF 2:00pm - 2:50pm MW 10:00am - 10:50am	Seats (Total: 29) CSI 2117 CSI 1122	 Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC198D **Special Topics in Computer Science for Non-Majors; Paths to Computer Science: Connections**

CMSC198D *(PermReq)* **Special Topics in Computer Science for Non-Majors: Paths to Computer Science: Connections; (1 credit)** Grade Method: REG.

BL01	Ben Bederson Th 5:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) CSI 3118 ONLINE	

CMSC198E **Special Topics in Computer Science for Non-Majors; Paths to Computer Science: Problem Solving**

CMSC198E *(PermReq)* **Special Topics in Computer Science for Non-Majors: Paths to Computer Science: Problem Solving; (1 credit)** Grade Method: REG.

BL01	Ben Bederson Th 5:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) CSI 3118 ONLINE	

CMSC216 **Introduction to Computer Systems**

CMSC216 *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216. Machine representation of data including intergers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 22) CSI 1115 CSI 3118	 Discussion
0102	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 24) CSI 1115 CSI 3118	 Discussion
0103	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 22) CSI 1115 CSI 3118	 Discussion
0104	Nelson Padua-Perez TuTh 9:30am - 10:45am MW 4:00pm - 4:50pm	Seats (Total: 22) CSI 1115 CSI 2120	 Discussion

0201	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 24) CSI 2117 CSI 3118	Discussion
0202	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 22) CSI 2117 CSI 3118	Discussion
0203	Nelson Padua-Perez TuTh 11:00am - 12:15pm MW 3:00pm - 3:50pm	Seats (Total: 22) CSI 2117 CSI 2120	Discussion
0301	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 24) CSI 2117 CSI 3118	Discussion
0302	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 22) CSI 2117 CSI 3118	Discussion
0303	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 3:00pm - 3:50pm	Seats (Total: 22) CSI 2117 CSI 3118	Discussion
0304	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 4:00pm - 4:50pm	Seats (Total: 20) CSI 2117 CSI 3118	Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Evan Golub, Shangfu Peng TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0102	Evan Golub, Shangfu Peng TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0103	Evan Golub, Shangfu Peng TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0104	Instructor: TBA TuTh 2:00pm - 3:15pm MW 3:00pm - 3:50pm	Seats (Total: 30) CSI 1115 CSI 2117	 Discussion
0201	Evan Golub TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0202	Evan Golub TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0203	Instructor: TBA TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion
0204	Instructor: TBA TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 30) CSI 1115 CSI 3120	 Discussion

CMSC250H Discrete Structures

CMSC250H *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Evan Golub	Seats (Total: 29)	
	TuTh 12:30pm - 1:45pm	CSI 2107	
	MW 9:00am - 9:50am	CSI 1121	Discussion

CMSC287 **Network Science and Networked Information: What can (Social) Networks do for us?**

CMSC287 Network Science and Networked Information: What can (Social) Networks do for us?; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Large-scale social information networks are now fundamental components of society, perhaps the most well-known one being the Web. This class will address the science behind such networks and the potential of such networks, for students with a sound general academic background at a high-school level, and with an interest in the social/mathematical sciences and their applications.

0101	Aravind Srinivasan	Seats (Total: 60)	
	TuTh 12:30pm - 1:45pm	CSI 2117	

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Nelson Padua-Perez TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 28) CSI 3117 CSI 2118	 Discussion
0102	Nelson Padua-Perez TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 28) CSI 3117 CSI 2118	 Discussion
0103	Nelson Padua-Perez TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 28) CSI 3117 CSI 2118	 Discussion
0201	Chau-Wen Tseng TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 28) CSI 3117 CSI 3118	 Discussion
0202	Chau-Wen Tseng TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 28) CSI 3117 CSI 3118	 Discussion
0203	Chau-Wen Tseng TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 28) CSI 3117 CSI 3118	 Discussion
0301	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 30) CSI 3117 CSI 3118	 Discussion
0302	Chau-Wen Tseng TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 30) CSI 3117 CSI 3118	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Clyde Kruskal MWF 10:00am - 10:50am	Seats (Total: 90) CSI 1115
0201	Clyde Kruskal MWF 11:00am - 11:50am	Seats (Total: 90) CSI 1115

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be admitted to the Computer Science Honors Program. Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Michelle Hugue MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 3120

0201	Alan Sussman	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	CSI 2120	

CMSC412 **Operating Systems**

CMSC412 *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	Jeffrey Hollingsworth	Seats (Total: 23)	
	TuTh 11:00am - 12:15pm	CSI 2107	
	MW 1:00pm - 1:50pm	CSI 2120	Discussion
0102	Jeffrey Hollingsworth	Seats (Total: 23)	
	TuTh 11:00am - 12:15pm	CSI 2107	
	MW 2:00pm - 2:50pm	CSI 2120	Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC216 and CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	Instructor: TBA	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	CSI 2120	

0201	David Levin TuTh 12:30pm - 1:45pm	Seats (Total: 50) CSI 1122

CMSC417 **Computer Networks**

CMSC417 *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Neil Spring TuTh 11:00am - 12:15pm	Seats (Total: 50) CSI 1122

CMSC420 **Data Structures**

CMSC420 *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Larry Davis MW 2:00pm - 3:15pm	Seats (Total: 50) CSI 1121
0201	Michelle Hugue TuTh 2:00pm - 3:15pm	Seats (Total: 50) CSI 1122
0301	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 50) CSI 1122

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 *(PermReq)* **Introduction to Artificial Intelligence; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	Donald Perlis TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 3117
0201	Edoardo Serra TuTh 3:30pm - 4:45pm	Seats (Total: 40) CSI 2120

CMSC422 **Introduction to Machine Learning**

CMSC422 *(PermReq)* **Introduction to Machine Learning; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330. Recommended: STAT400. Machine Learning studies representations and algorithms that allow machines to improve their performance on a task from experience. This is a broad overview of existing methods for machine learning and an introduction to adaptive systems in general. Emphasis is given to practical aspects of machine learning and data mining.

0101	Venkatramanan Subrahmanian TuTh 9:30am - 10:45am	Seats (Total: 50) CSI 1121

CMSC424 **Database Design**

CMSC424 *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Peter Keleher MW 2:00pm - 3:15pm	Seats (Total: 40) CSI 1122
0201	Mihai Pop TuTh 12:30pm - 1:45pm	Seats (Total: 50) CSI 1121

CMSC426 **Image Processing**

CMSC426 *(PermReq)* **Image Processing; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC420; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. An introduction to basic techniques of analysis and manipulation of pictorial data by computer. Image input/output devices, image processing software, enhancement, segmentation, property measurement, Fourier analysis. Computer encoding, processing, and analysis of curves.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 45) CSI 2107

CMSC430 **Introduction to Compilers**

CMSC430 *(PermReq)* **Introduction to Compilers; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	Chau-Wen Tseng TuTh 3:30pm - 4:45pm	Seats (Total: 50) CSI 1121

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Walter Cleaveland MW 3:30pm - 4:45pm	Seats (Total: 50) CSI 1122
0201	Adam Porter TuTh 11:00am - 12:15pm	Seats (Total: 50) CSI 1121

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 *(PermReq)* **Introduction to Human-Computer Interaction; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; and PSYC100; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	James Gilkeson TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 1122

CMSC435 **Software Engineering**

CMSC435 *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo TuTh 2:00pm - 3:15pm	Seats (Total: 50) CSI 1121
0201	Atif Memon TuTh 9:30am - 10:45am	Seats (Total: 40) CSI 2120

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	David Malec MWF 1:00pm - 1:50pm	Seats (Total: 45) CSI 1121

CMSC452 **Elementary Theory of Computation**

CMSC452 *(PermReq)* **Elementary Theory of Computation; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Alternative theoretical models of computation, types of automata, and their relations to formal grammars and languages.

0101	William Gasarch TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 2120

CMSC456 **Cryptology**

CMSC456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
Prerequisite: (any two 400-level MATH courses; or (CMSC351 and CMSC330)); and permission of CMNS-Computer Science department. Or must be a CMSC graduate student. Also offered as: MATH456. Credit only granted for: CMSC456 or MATH456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Jonathan Rosenberg MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0106
0201	Lawrence Washington TuTh 11:00am - 12:15pm	Seats (Total: 45) CSI 3117

CMSC460 **Computational Methods**

CMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG.
Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Tobias von Petersdorff MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0307
0201	Ramani Duraiswami TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 3120

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC466. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Harland Glaz TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 0411

CMSC474 **Introduction to Computational Game Theory**

CMSC474 *(PermReq)* **Introduction to Computational Game Theory; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; or permission of CMNS-Computer Science department. Credit only granted for: CMSC474, ECON414, or GVPT399A. Game theory deals with interactions among agents (either human or computerized) whose objectives and preferences may differ from the objectives and preferences of the other agents. It will also provide a comprehensive introduction to game theory, concentrating on its computational aspects.

0101	Dana Nau MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 1121

CMSC475 **Combinatorics and Graph Theory**

CMSC475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG.
Prerequisite: MATH240 and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: MATH475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Jeffrey Adams	Seats (Total: 32)
	MWF 11:00am - 11:50am	PHY 1402

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498G **Selected Topics in Computer Science; Artificial Life and Evolutionary Computation**

CMSC498G *(PermReq)* **Selected Topics in Computer Science: Artificial Life and Evolutionary Computation; (3 credits)** Grade Method: REG/P-F/AUD.

0101	James Reggia	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 3120

CMSC498N **Selected Topics in Computer Science; Seminar in CyberSecrity: Secure Maryland**

CMSC498N *(PermReq)* **Selected Topics in Computer Science: Seminar in CyberSecrity: Secure Maryland; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Maxwell, Jonathan Katz	Seats (Total: 13)
	TuTh 9:30am - 10:45am	CSI 2118

CMSC498R **Selected Topics in Computer Science; Introduction to Cryptology**

CMSC498R *(PermReq)* **Selected Topics in Computer Science: Introduction to Cryptology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites:Any two 400-level MATH courses; or (CMSC351 and CMSC330); or (ENEE322 and ENEE380). Credit only granted for: ENEE459E, CMSC456, or CMSC498R. Over the past two decades, cryptography has become a highly relevant field: In addition to military and national security applications, cryptography is currently being used in critical financial, legal, and social applications. The aim of cryptography is to construct efficient schemes that allow parties to interact to implement some functionality, even when some subset of parties are malicious and behave adversarially. In contrast to the classical approach based on heuristics and ad-hoc solutions, modern cryptography aims for specific, rigorous security guarantees based on precise mathematical definitions and provably secure protocols.

0101	Dana Dachman-Soled	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	ITV 1100

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC631 **Program Analysis and Understanding**

CMSC631 Program Analysis and Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC430; or students who have taken courses with comparable content may contact the department. Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

0101	David Van Horn	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 3118

CMSC652 **Complexity Theory**

CMSC652 Complexity Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC451 or CMSC452; or permission of instructor. Credit only granted for: CMSC652 or CMSC858G. Formerly: CMSC858G. This course will define what it means for a problem to be hard (or easy) in a variety of ways. The emphasis will be on natural problems. Topics may include NP-completeness, Sparse Sets, Graph Isomoprhism (why it is thought to not be NP-complete), Counting problems, and approximation problems.

0101	William Gasarch	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSI 2118

CMSC661 **Scientific Computing II**

CMSC661 Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: Must have knowledge of C or Fortran. And CMSC466, AMSC466, AMSC460, or CMSC460; or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: AMSC661. Credit only granted for: AMSC661 or CMSC661. Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices, Finite element methods, numerical methods for time dependent partial differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Howard Elman	Seats (Total: 25)
	TuTh 9:30am - 10:45am	CSI 2107

CMSC664 **Advanced Scientific Computing II**

CMSC664 *(PermReq)* **Advanced Scientific Computing II; (3 credits)** Grade Method: REG.
Prerequisite: CMSC663. Restriction: Permission of instructor. Also offered as: AMSC664. Credit only granted for: AMSC664, or CMSC664. In the sequence CMSC 663, CMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Kayo Ide	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 4122

CMSC667 **Numerical Analysis II**

CMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC666 or CMSC666. Also offered as: AMSC667. Credit only granted for: AMSC667 or CMSC667.* Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

0101	Maria Cameron	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0409

CMSC702 **Computational Systems Biology**

CMSC702 Computational Systems Biology; (3 credits) Grade Method: REG/AUD. An introduction to the fundamental concepts in the computational analysis of biological systems with applications to: functional genomics, population genetics, interaction networks, epigenetics. Computational concepts convered: network and graph algorithms, machine learning, large data/network visualization, statistical modeling and inference, probabilistic graphical models, sparse methods in data analysis, numerical optimization. No prior knowledge of biology required.

0101	Hector Corrada Bravo	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC711 **Computer Networks**

CMSC711 Computer Networks; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC412; or students who have taken courses with comparable content may contact the department.* Priciples, design, and performance evaluation of computer networks. Network architectures including the ISO model and local area networks (LANs). Communication protocols and network topology.

0101	Samrat Bhattacharjee	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CSI 2118

CMSC712 **Distributed Algorithms and Verification**

CMSC712 Distributed Algorithms and Verification; (3 credits) Grade Method: REG/AUD.
Study of algorithms from the distributed and concurrent systems literature. Formal approach to specifying, verifying, and deriving such algorithms. Areas selected from mutual exclusion, resource allocation, quiescence detection, election, Byzantine agreements, routing, network protocols, and fault-tolerence. Formal approaches will handle system specification and verification of safety, liveness, and real-time properties.

0101	A.U. Shankar	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC724 **Database Management Systems**

CMSC724 Database Management Systems; (3 credits) Grade Method: REG/AUD.
Theoretical and implementation issues in advanced database systems. Topics include distributed databases, parallel databases, database client-server architectures, multimedia access methods, advanced query optimization techniques, data semantics and models, object-oriented databases, and deductive and expert database systems.

0101	Nicholas Roussopoulos	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 2107

CMSC751 **Parallel Algorithms**

CMSC751 Parallel Algorithms; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC451; or students who have taken courses with comparable content may contact the department. A presentation of the theory of parallel computers and parallel processing. Models of parallel processing and the relationships between these models. Techniques for the design and analysis of efficient parallel algorithms including parallel prefix, searching, sorting, graph problems, and algebraic problems. Theoretical limits of parallelism, inherently sequential problems, and the theory of P-completeness.

0101	Uzi Vishkin	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EGR 0108

CMSC773 **Computational Linguistics II**

CMSC773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as: LING773. Formerly: CMSC828R. Additional information: May only receive PhD Comp. credit for CMSC723 or CMSC823, not both.* Natural language processing with a focus on corpus-based statistical techniques. Topics inlcude: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik	Seats (Total: 30)
	W 1:30pm - 4:00pm	WDS 0104

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC798F **Graduate Seminar in Computer Science**

CMSC798F Graduate Seminar in Computer Science; (1 credit) Grade Method: REG/AUD.

0101	John Aloimonos	Seats (Total: 40)
	F 10:00am - 11:00am	CSI 3120

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems: Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818G **Advanced Topics in Computer Systems; Information-Centric Design of Systems**

CMSC818G Advanced Topics in Computer Systems: Information-Centric Design of Systems; (3 credits) Grade Method: REG/AUD.

0101	Ashok Agrawala	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CSI 2118

CMSC818L **Advanced Topics in Computer Systems; Cloud Computing Security**

CMSC818L Advanced Topics in Computer Systems: Cloud Computing Security; (3 credits) Grade Method: REG/AUD.
Also offered as ENEE759L. Credit will be granted for CMSC818L or ENEE759L.

0101	Charalampos Papamanthou	Seats (Total: 20)
	MW 11:00am - 12:15pm	EGR 1104

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828K **Advanced Topics in Information Processing; Artificial Life and Evolutionary Computation**

CMSC828K Advanced Topics in Information Processing: Artificial Life and Evolutionary Computation; (3 credits) Grade Method: REG/AUD.

0101	James Reggia TuTh 12:30pm - 1:45pm	Seats (Total: 15) CSI 3120

CMSC828T **Advanced Topics in Information Processing; Robots Learning Manipulation Actions**

CMSC828T Advanced Topics in Information Processing: Robots Learning Manipulation Actions; (3 credits) Grade Method: REG/AUD.

0101	John Aloimonos TuTh 12:30pm - 1:45pm	Seats (Total: 32) CSI 3118

CMSC828V **Advanced Topics in Information Processing**

CMSC828V Advanced Topics in Information Processing; (3 credits) Grade Method: REG/AUD.

0101	Amitabh Varshney TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSI 3118

CMSC828W **Advanced Topics in Information Processing; Linguistic Prediction: Brains Versus Machines**

CMSC828W Advanced Topics in Information Processing: Linguistic Prediction: Brains Versus Machines; (3 credits) Grade Method: REG/AUD.

0101	Hal Daume, Naomi Feldman, Ellen Lau M 2:00pm - 4:30pm	Seats (Total: 15) MMH 1108B

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838F **Advanced Topics in Programming Languages; Tangible Interactive Computing**

CMSC838F Advanced Topics in Programming Languages: Tangible Interactive Computing; (3 credits) Grade Method: REG/AUD.

0101	Jon Froehlich	Seats (Total: 20)
	MW 3:30pm - 4:45pm	CSI 2107

CMSC838G **Advanced Topics in Programming Languages; Software Security**

CMSC838G Advanced Topics in Programming Languages: Software Security; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC631 or permission of instructor.

0101	Michael Hicks	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CSI 2107

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858D **Advanced Topics in Theory of Computing; Computational Proteomics.**

CMSC858D Advanced Topics in Theory of Computing: Computational Proteomics.; (3 credits) Grade Method: REG/AUD.

0101	Zia Khan	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CSI 3120

CMSC858F **Advanced Topics in Theory of Computing; Algorithmic Game Theory**

CMSC858F Advanced Topics in Theory of Computing: Algorithmic Game Theory; (3 credits) Grade Method: REG/AUD.

0101	Mohammad Hajiaghayi	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSI 2118

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Spring 2014

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F. GenEd: Fundamental Studies - Oral Communications. *Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.* A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Ning Xie MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1180
0201	Jiankun Guo TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1180
0301	Rong Ma TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1184
0401	Kathleen Brown MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1184

0501	Ning Xie MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1180
0601	Melissa Janoske TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1180
0701	Amanda Kennedy TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1180
0801	Jaclyn Bruner MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1111
0901	Samuel Rubin TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1176
1001	Savreen Hundal TuTh 12:30pm - 1:45pm	Seats (Total: 19) HBK 0105
1101	Julio Bermejo MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1168
1201	Yvonne Slosarski TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0108
1301	L Gordon TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1184
1401	Jean Vandenbosch MWF 1:00pm - 1:50pm	Seats (Total: 19) WDS 1127
1501	Heather Epkins TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 1111
1601	Samuel Rubin TuTh 3:30pm - 4:45pm	Seats (Total: 19) HBK 1108
1701	Jaclyn Bruner MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1111
1801	Melissa Lucas TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 1111

1901	Amanda Kennedy TuTh 2:00pm - 3:15pm	Seats (Total: 19) SKN 1112
2001	Sifan Xu MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1184
2101	Lauren Harris MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1176
2201	Jean Vandenbosch MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1180
2301	Yiwen Dai MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1176
2401	Julio Bermejo MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1168
2501	Josie Moore MWF 11:00am - 11:50am	Seats (Total: 19) PHY 1219
2601	Samuel Rubin TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1176
2701	Jarim Kim TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0124
2801	Sifan Xu MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1184
2901	Rodney Schwartz MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1176
3001	Michelle Futerfas MWF 9:00am - 9:50am	Seats (Total: 19) HBK 0123
3101	Rong Ma TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1184
3201	Jiankun Guo TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1180

3301	Amanda Kennedy TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1172
3401	Samuel Rubin TuTh 6:30pm - 7:45pm	Seats (Total: 19) HBK 0108
3501	Rodney Schwartz MWF 11:00am - 11:50am	Seats (Total: 19) HBK 0105
3601	Yiwen Dai MWF 9:00am - 9:50am	Seats (Total: 19) HBK 1108
3701	Jaclyn Bruner MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1162
3801	Michelle Futerfas MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1184
3901	Savreen Hundal TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1184
4001	Rodney Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1176
4101	Lauren Harris MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1184
4201	Josie Moore MWF 9:00am - 9:50am	Seats (Total: 19) HBK 1112
4301	Janna Soeder MWF 9:00am - 9:50am	Seats (Total: 19) SYM 0215
4401	Zexin Ma MWF 9:00am - 9:50am	Seats (Total: 19) HBK 0108
4501	Kathleen Brown MWF 8:00am - 8:50am	Seats (Total: 19) HBK 0108
4601	Thomas McCloskey MW 2:00pm - 3:15pm	Seats (Total: 19) HBK 1112

4701	Gerry Strumpf MW 3:30pm - 4:45pm	Seats (Total: 19) SYM 0209
4801	Paula Nadler MW 5:00pm - 6:15pm	Seats (Total: 19) KEY 0126
4901	Thomas McCloskey MW 3:30pm - 4:45pm	Seats (Total: 19) HBK 1112
5001	Gerry Strumpf MW 5:00pm - 6:15pm	Seats (Total: 19) SYM 0209
5101	L Gordon TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1184
5201	Megan Fitzmaurice TuTh 8:00am - 9:15am	Seats (Total: 19) HBK 0109
5301	William Howell TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1111
5401	Timothy Penn TuTh 12:30pm - 1:45pm	Seats (Total: 19) BPS 1232
5501	Meridith Styer TuTh 5:00pm - 6:15pm	Seats (Total: 19) KEY 0121
5601	Kimberley Hannah TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1113
5701	Kimberley Hannah TuTh 11:00am - 12:15pm	Seats (Total: 19) PLS 1176
5801	Megan Fitzmaurice TuTh 9:30am - 10:45am	Seats (Total: 19) HBK 0109
5901	Nma Obike TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1180
6001	Samuel Rubin TuTh 5:00pm - 6:15pm	Seats (Total: 19) HBK 1108

6101	Nma Obike TuTh 3:30pm - 4:45pm	Seats (Total: 19) PLS 1180
6201	Melissa Lucas TuTh 3:30pm - 4:45pm	Seats (Total: 19) SQH 1111
6301	Heather Epkins TuTh 5:00pm - 6:15pm	Seats (Total: 19) SKN 1112
6401	Zexin Ma MWF 8:00am - 8:50am	Seats (Total: 19) HBK 1112
6501	Karen Lamb MW 2:00pm - 3:15pm	Seats (Total: 19) PLS 1172
6601	Jean Vandenbosch MW 2:00pm - 3:15pm	Seats (Total: 19) WDS 1131
6701	Janna Soeder MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1180
6801	Julie Gowin MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1184
6901	Paula Nadler MWF 8:00am - 8:50am	Seats (Total: 19) KEY 1117
7001	Kathleen Brown MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1146
7101	William Howell TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1164
7301	Heather Epkins TuTh 11:00am - 12:15pm	Seats (Total: 19) WDS 1131
7401	L Gordon TuTh 12:30pm - 1:45pm	Seats (Total: 19) WDS 1131
7701	David Paglin MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1172

8001	Lauren Harris MWF 10:00am - 10:50am	Seats (Total: 19) WDS 1131
8101	Karen Lamb TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1162
8201	Karen Lamb TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1162
8501	Rodney Schwartz MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1164
8801	Josie Moore MWF 1:00pm - 1:50pm	Seats (Total: 19) WDS 1131
9101	Heather Epkins TuTh 6:30pm - 7:45pm	Seats (Total: 19) SKN 1112
9201	Rodney Schwartz MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1158
9301	Julio Bermejo MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1168
9401	Michael Steudeman TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1158
9501	Thomas McCloskey TuTh 11:00am - 12:15pm	Seats (Total: 19) ASY 3221
9701	Karen Lamb MW 3:30pm - 4:45pm	Seats (Total: 19) PLS 1176
9801	Jarim Kim TuTh 8:00am - 9:15am	Seats (Total: 19) SKN 1112
9902	Rebecca Alt TuTh 3:30pm - 4:45pm	Seats (Total: 19) SKN 1112
9903	Rebecca Alt TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1168

9904	Devin Scott TuTh 3:30pm - 4:45pm	Seats (Total: 19) WDS 1131
9905	Devin Scott TuTh 5:00pm - 6:15pm	Seats (Total: 19) PLS 1162
9907	Shannon Holland TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1146
9909	Stephanie Madden TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 1127
9910	Rodney Schwartz MWF 8:00am - 8:50am	Seats (Total: 19) PLS 1162
9911	Nma Obike MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1162
9912	Yvonne Slosarski TuTh 8:00am - 9:15am	Seats (Total: 19) PLS 1164
9913	Heather Epkins TuTh 9:30am - 10:45am	Seats (Total: 19) WDS 1131

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285. Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

0101	Shannon Holland TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1184
0201	Shannon Holland TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1184

0301	Jessica Lu MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1115
0401	Jessica Lu MWF 10:00am - 10:50am	Seats (Total: 19) PLS 1115

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

0101	Jon Hoffman TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1111
0201	Jade Olson TuTh 12:30pm - 1:45pm	Seats (Total: 24) SQH 1121
0301	Jade Olson TuTh 11:00am - 12:15pm	Seats (Total: 24) SQH 1121
0401	Jon Hoffman TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1111

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly: JOUR231.
Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 10:00am - 11:50am W 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0201	Richard Toth M 12:00pm - 1:50pm W 12:00pm - 1:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in COMM231; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department. Restriction: Must be in Communication program. Credit only granted for: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly: JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Pamela Grant Tu 1:00pm - 2:15pm Th 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth Tu 2:30pm - 3:45pm Th 2:30pm - 3:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 CSI 2120	 Discussion
0102	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 CSI 2120	 Discussion

0103	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 CSI 2120	Discussion
0104	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0103	Discussion
0105	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 KEY 0103	Discussion
0106	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 KEY 0103	Discussion
0107	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 1103	Discussion
0108	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1103	Discussion
0109	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 1103	Discussion

COMM269B **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**
Contact department for information to register for this course.

COMM269C **Special Topics in Study Abroad II; Communication and Campaign Management**

COMM269C Special Topics in Study Abroad II: Communication and Campaign Management; (3 credits) Grade Method: REG/P-F/AUD.

SA36	Nicole McDermott Contact instructor or department for details.	Seats (Total: 0)

COMM269M **Special Topics in Study Abroad II; Media Technology**

Contact department for information to register for this course.

COMM269P **Special Topics in Study Abroad II; Principles of Film and Media Production**
Contact department for information to register for this course.

COMM269V **Special Topics in Study Abroad II; Visual Communication: Intercultural Photography**
Contact department for information to register for this course.

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 10)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 20)

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Shannon Holland TuTh 3:30pm - 4:45pm	Seats (Total: 150) SHM 2102

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Michael Steudeman TuTh 12:30pm - 1:45pm	Seats (Total: 35) SKN 0104

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: COMM231 or COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM350 or COMM430.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0201	Stephanie Madden TuTh 12:30pm - 1:45pm	Seats (Total: 35) SKN 1115	
0301	Erich Sommerfeldt MW 3:30pm - 4:45pm	Seats (Total: 35) SYM 0215	

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM232 and COMM350. Restriction: Must be in Communication program. Credit only granted for: COMM351 or JOUR331. Formerly: JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Pamela Grant M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Pamela Grant M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or JOUR332. Formerly: JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Timothy Penn Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Melissa Janoske Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Melissa Janoske Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	William Lawson TuTh 11:00am - 12:15pm	Seats (Total: 50) LEF 2166
0201	Ann Mason TuTh 9:30am - 10:45am	Seats (Total: 50) ARC 1105
SG91	William Lawson MW 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 2206

COMM370 **Mediated Communication**
Contact department for information to register for this course.

COMM371 **Communication and Digital Media**

COMM371 Communication and Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V. A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

SG91	Robert Coleman MW 9:00am - 10:45am *Restricted to COMM students at Shady Grove.*	Seats (Total: 25) BLD3 3212
SG92	Robert Coleman MW 2:00pm - 3:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 25) BLD3 3212

COMM376 **Communication through Advocacy Short Film**

COMM376 Communication through Advocacy Short Film; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program. Explores the theory and practice of contemporary communication and advocacy short form video.

SG91	William Lawson MW 11:00am - 12:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 25) BLD3 3203

COMM382 **Essentials of Intercultural Communication**

COMM382 Essentials of Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency.
Credit only granted for: COMM382 or COMM482. Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

0101	Deepa Anagondahalli TuTh 5:00pm - 6:15pm	Seats (Total: 50) TYD 2109
0201	Deepa Anagondahalli TuTh 3:30pm - 4:45pm	Seats (Total: 50) TYD 2111
SG91	Deepa Anagondahalli M 2:00pm - 4:50pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 2226
SG92	Deepa Anagondahalli W 2:00pm - 4:50pm *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usbiosci@umd.edu for permission.*	Seats (Total: 40) BLD2 3012

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 60)
SG91	Lindsi Baltz Contact instructor or department for details.	Seats (Total: 20)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398C **Selected Topics in Communication; Peer Consulting in Oral Communication**

COMM398C *(PermReq)* **Selected Topics in Communication: Peer Consulting in Oral Communication; (3 credits)** Grade Method: REG.
Restricted to majors in Communication. Provides training in the principles and practice of peer consulting in the context of the Oral Communication Center in the Department of Communication. Students will apply and integrate the knowledge and skills acquired in COMM107 (or COMM 200) with new training to help their peers become outstanding listeners and speakers. They will also engage in a group research project designed to extend knowledge in peer consulting best practices.

0101	Rowena Kirby-Straker Tu 5:00pm - 7:30pm	Seats (Total: 10) SKN 2117

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.
For COMM majors only.

0101	Amber Westcott-Baker MW 2:00pm - 3:15pm	Seats (Total: 35) TYD 1102

COMM398K **Selected Topics in Communication; Digital Communication and Strategic Message Design**

COMM398K Selected Topics in Communication: Digital Communication and Strategic Message Design; (3 credits) Grade Method: REG.

SG91	Robert Coleman MW 11:00am - 12:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 25) BLD3 3212

COMM398O **Selected Topics in Communication; Digital Media and Democracy**

COMM398O Selected Topics in Communication: Digital Media and Democracy; (3 credits) Grade Method: REG.

0101	Jon Hoffman TuTh 12:30pm - 1:45pm	Seats (Total: 100) SQH 1120

COMM398R **Selected Topics in Communication; Interactive Online Media**
Contact department for information to register for this course.

COMM398X **Selected Topics in Communication; Social Networking**

COMM398X Selected Topics in Communication: Social Networking; (3 credits) Grade Method: REG.

SG91	Julia Fraustino TuTh 9:30am - 10:45am *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 2206

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0401	Edward Fink Contact instructor or department for details.	Seats (Total: 10)
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory.

0101	Anita Seate MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0102	Anita Seate MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0103	Anita Seate MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0104	Anita Seate MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 HBK 1108	Discussion
0105	Anita Seate MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 HBK 1108	Discussion
0106	Anita Seate MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 HBK 1108	Discussion
0201	Soyoung Bae MW 5:00pm - 6:15pm	Seats (Total: 45) TYD 0102	
SG91	Soyoung Bae TuTh 12:30pm - 1:45pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD3 4212	

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program. Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	William Lawson TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) ARM 0131 ASY 3217	Discussion
0102	William Lawson TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) ARM 0131 ASY 3217	Discussion
0103	William Lawson TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) ARM 0131 ASY 3217	Discussion
0104	William Lawson TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) ARM 0131 EGR 2116	Discussion
0105	William Lawson TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 20) ARM 0131 EGR 2116	Discussion
0106	William Lawson TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) ARM 0131 EGR 2116	Discussion

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program.
Philosophical and conceptual analysis of communication theories.

0101	Amber Westcott-Baker MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 0202	Discussion
0102	Amber Westcott-Baker MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 0202	Discussion

0103	Amber Westcott-Baker MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 EDU 0202	Discussion
0104	Amber Westcott-Baker MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0105	Amber Westcott-Baker MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0106	Amber Westcott-Baker MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) ASY 2203 EDU 1107	Discussion

COMM420 **Theories of Group Discussion**

COMM420 Theories of Group Discussion; (3 credits) Grade Method: REG/P-F/AUD.
Current theory, research and techniques regarding small group process, group dynamics, leadership and decision-making.

0101	Robert Gaines MWF 12:00pm - 12:50pm	Seats (Total: 35) BPS 1236

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Elizabeth Petrun MW 3:30pm - 4:45pm	Seats (Total: 50) TYD 0102
SG91	Judith Tenney TuTh 3:30pm - 4:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 2225

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0301	Lauren Edelstein	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	HBK 0115

COMM426 **Conflict Management**

COMM426 Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: COMM425; and COMM250; and COMM402. Role of communication in managing conflict processes.

0101	Lauren Edelstein	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	HBK 0115

COMM427 **Crisis Communication**

COMM427 Crisis Communication; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: COMM398C or COMM427. Formerly: COMM398C. Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

0101	Brooke Liu	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TYD 2111

COMM436 **Interpersonal Arguing**

COMM436 *(PermReq)* **Interpersonal Arguing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM400 and COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM436 or COMM498I. Formerly: COMM498I. An examination of face to face arguing. Prerequiste: COMM400 and COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM436 or COMM498I. Formerly: COMM498I. An examination of face to face arguing.

0101	Dale Hample MW 3:30pm - 4:45pm	Seats (Total: 35) ASY 3203

COMM451 **Renaissance & Modern Rhetoric Theory**

COMM451 Renaissance & Modern Rhetoric Theory; (3 credits) Grade Method: REG/P-F/AUD.
A survey of rhetorical theory in the renaissance and modern periods. Emphasis is placed on the theoretical trends that dominate rhetorical thinking during both periods--especially in Great Britain. Authors include Wilson, Sherry, Rainolde, Day, Hyperius, Cox, Ramus, Talon, Bacon, Pascal, Fenelon, Sheridan, Campbell, Blair, and Whately.

0101	Ann Mason W 4:30pm - 7:30pm	Seats (Total: 50) SQH 1119

COMM461 **Voices of Public Leadership in the Twentieth Century**

COMM461 Voices of Public Leadership in the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD.
Study of the use of speaking in the power struggles of the twentieth century. Focus is on important speakers of the century, their social and policy influence, and the struggle to expand the diversity of voices with power in the public sphere.

0201	Ann Mason TuTh 12:30pm - 1:45pm	Seats (Total: 50) TYD 0102

COMM468A **Seminar in Mediated Communication; Arab Media**

COMM468A Seminar in Mediated Communication: Arab Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sahar Khamis **Meets January 27, 2014 - March 28, 2014** TuTh 5:00pm - 7:30pm	Seats (Total: 35) SYM 0215

COMM468M **Seminar in Mediated Communication; Marginalized Social Groups and the Media**

COMM468M Seminar in Mediated Communication: Marginalized Social Groups and the Media; (3 credits) Grade Method: REG/P-F/AUD.
This course will familiarize you with major topics in the study of marginalized social groups and the media. In particular, this class will emphasize (but will not be limited to) the largest marginalized social groups in the U.S., including African Americans, Latino Americans, Asian Americans, women, older adults, and gays and lesbians. We will address the evolution of media images of these groups in film, television, news, and advertising, including discussions on the social conditions leading to shifts in these portrayals. Additionally, we will examine the implications of these messages both social scientific and critical perspectives. We will also investige trends in employment of minorities in the media industry.

0101	Anita Seate	Seats (Total: 35)
	MW 5:00pm - 6:15pm	KEY 0125

COMM469E **The Discourse of Social Movements; Equal Rights in the U.S.**

COMM469E The Discourse of Social Movements: Equal Rights in the U.S.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ann Mason	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	KEY 1117

COMM472 **Nonverbal Communication**

COMM472 Nonverbal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Nonverbal communication in human interaction theory and research on proxemics, kinesics and paralanguage as expression of relationship, affect and orientation within and across cultures.

SG91	Judith Tenney	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BLD3 2225
	Restricted to COMM majors at Shady Grove.	

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0101	Soyoung Bae MW 3:30pm - 4:45pm	Seats (Total: 50) TYD 1101
0201	Susan Hubbard MW 12:30pm - 1:45pm	Seats (Total: 50) SKN 0104
SG91	Soyoung Bae TuTh 2:00pm - 3:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 3225

COMM478 **Communication Colloquium**

COMM478 Communication Colloquium; (1 credit) Grade Method: REG.

0101	Amber Westcott-Baker F 12:00pm - 1:30pm	Seats (Total: 40) SKN 0200

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Credit only granted for: COMM483 or JOUR483. Formerly: JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations. Restricted to majors in Communitcation

0101	Susan Simon TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 1108
0201	Susan Simon TuTh 3:30pm - 4:45pm	Seats (Total: 20) PLS 1162
0401	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 1114

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Susan Simon	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498G **Seminar; Event Planning and Communication**

COMM498G Seminar: Event Planning and Communication; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to COMM majors.

0101	Pamela Grant	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TYD 1118

COMM498I **Seminar; Influence**

COMM498I Seminar: Influence; (3 credits) Grade Method: REG/P-F/AUD. Restricted to COMM majors. Contemporary theories of influence and their implications for communication practice. Topics include power and influence, logical theory, rhetorical theory, persuasion theory, framing theory, social influence theory, and propagation of influence in mediated social networks.

0101	Robert Gaines	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	BPS 1236

COMM498R **Seminar; Risk Communication**

COMM498R Seminar: Risk Communication; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Julia Fraustino	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 2206
	Restricted to COMM majors at Shady Grove.	

COMM498V **Seminar; Visual Rhetoric**

COMM498V Seminar: Visual Rhetoric; (3 credits) Grade Method: REG/P-F/AUD. Restriction: COMM majors (1506A) only. This course examines the rhetorical implications of looking. The course investigates how oppressed groups have been visually displayed in news photographs, museum exhibits, and in popular culture. Due to this focus on visual portrayals of cultural others, part of the class will be devoted to examining visual artifacts related to traumatic events including war, natural disasters, self-immolation, and lynching which some students mayfind disturbing. In tackling this difficult subject matter, the course will examine the intersection between responsibility and looking. Who has the right to take, display, and examine these images? Who makes thisdetermination and what are the rhetorical implications of it.

0101	Michelle Yang	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	SKN 0104

COMM602 **Communication Theory**

COMM602 Communication Theory; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Communication (Master's); Communication (Doctoral)).* Fundamental concepts, approaches, and problems in communication theory.

0101	Dale Hample	Seats (Total: 15)
	M 6:30pm - 9:30pm	SKN 2127

COMM619 **Consecutive Interpretation**

PG01	Luigi David Luccarelli	Seats (Total: 16)
	Contact instructor or department for details.	

COMM629 **Introduction to Simultaneous Interpretation**

PG01	Instructor: TBA Contact instructor or department for details.	Seats (Total: 16)

COMM649 **Translation for Specific Domains**

PG01	Peng Wang Contact instructor or department for details.	Seats (Total: 10)

COMM683 **Intercultural Communication Theory**

COMM683 Intercultural Communication Theory; (3 credits) Grade Method: REG/AUD.
An in-depth coverage of the essential theories of intercultural communication is provided.

0101	Edward Fink M 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM703 **Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models**

COMM703 Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM702. Restriction: Permission of instructor. Formerly: SPCH703.
Model evaluation and theory construction in communication research. Causal systems in current communication research: recursive, nonrecursive, and unobserved variable models. Students must have a dissertation research project requiring quantitative methods.

0101	Edward Fink Th 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM730 **Seminar in Health Communication**

PG01	Instructor: TBA Th 4:15pm - 7:15pm	Seats (Total: 10) SKN 3117

COMM738E **Seminar in Mediated Communication; Media Effects**

COMM738E Seminar in Mediated Communication: Media Effects; (3 credits) Grade Method: REG/AUD.

0101	Xiaoli Nan Th 12:30pm - 3:30pm	Seats (Total: 15) SKN 3117

COMM739E **topics in Public Relations; Ethics**

COMM739E topics in Public Relations: Ethics; (3 credits) Grade Method: REG/AUD.

0101	Erich Sommerfeldt M 6:30pm - 9:30pm	Seats (Total: 15) SKN 3117

COMM760 **Seminar in Political Communication**

COMM760 Seminar in Political Communication; (3 credits) Grade Method: REG/AUD.

Formerly: SPCH760. A blend of theory and practice to integrate rhetorical-critical theory and empirical methods with politics. Practitioners in political communication will be drawn in as resource persons. Students will map the communication strategy for candidates and analyze actual campaign strategies.

0101	Trevor Parry-Giles Th 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM762 **The Rhetoric of Political Institutions**

PG01	Trevor Parry-Giles, David Sawyer, Shawn Parry-Giles W 9:30am - 12:30pm	Seats (Total: 20) SKN 3118

COMM768V **Seminar in Public Address; Visual Communication**

COMM768V Seminar in Public Address: Visual Communication; (3 credits) Grade Method: REG/AUD.

0101	Michelle Yang Tu 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM798B **Independent Study; Text Analysis and Intensive Writing**

PG01	Shawn Parry-Giles Tu 2:00pm - 3:00pm *Language: English.*	Seats (Total: 10) SKN 3117

PG02	Peng Wang W 3:00pm - 4:00pm *Language: Chinese.*	Seats (Total: 10) SKN 3117

COMM798W **Independent Study; Academic Writing**

COMM798W *(PermReq)* **Independent Study: Academic Writing; (1 credit)** Grade Method: REG/AUD.

0101	Shawn Parry-Giles M 11:00am - 11:50am	Seats (Total: 10) SKN 2127

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology Spring 2014

CONS609I **Special Topics in Conservation Biology; Internship**

CONS609I Special Topics in Conservation Biology: Internship; (1 credit) Grade Method: S-F.

0101	Karen Lips	Seats (Total: 20)
	Contact instructor or department for details.	

CONS680 **Problem Solving in Conservation/Development**

CONS680 Problem Solving in Conservation/Development; (4 credits) Grade Method: REG/AUD.
Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

0101	Karen Lips	Seats (Total: 24)
	MW 1:30pm - 4:30pm	HJP 1213C

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPSP College Park Scholars Program Spring 2014

CPSP119A **College Park Scholars First-Year Colloquium II**

CPSP119A College Park Scholars First-Year Colloquium II; (1-2 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Arts. Workshops will be negotiated during the first week of class.

0101	Harold Burgess, Eowyn Mays, Christopher Vogel M 6:00pm - 8:00pm	Seats (Total: 80) CCC 1100	

CPSP119D **College Park Scholars First-Year Colloquium II**

CPSP119D College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science, Discovery and the Universe.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 45) CCC 1205	
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 45) CSS 2428	

CPSP119E **College Park Scholars First-Year Colloquium II**

CPSP119E College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Environment, Technology and Economy. Each week we will meet in plenary OR section NOT both. The first week will be in plenary.

0101	Becky Archer Tu 5:00pm - 6:15pm M 4:00pm - 4:50pm	Seats (Total: 22) CCC 1100 CCC 1105	 Discussion
0102	Becky Archer Tu 5:00pm - 6:15pm M 5:00pm - 5:50pm	Seats (Total: 22) CCC 1100 CCC 1105	 Discussion
0103	Becky Archer Tu 5:00pm - 6:15pm Tu 4:00pm - 4:50pm	Seats (Total: 22) CCC 1100 CCC 1105	 Discussion

0104	Becky Archer	Seats (Total: 22)	
	Tu 5:00pm - 6:15pm	CCC 1100	
	Tu 5:00pm - 5:50pm	CCC 1105	Discussion

CPSP119F **College Park Scholars First-Year Colloquium II**

CPSP119F College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health.

0101	Muhiuddin Haider, Krishna Bhagat, Greg Raspanti	Seats (Total: 80)
	Tu 4:00pm - 5:30pm	CCC 1205

CPSP119G **College Park Scholars First-Year Colloquium II**

CPSP119G College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science and Global Change.

0101	Thomas Holtz	Seats (Total: 91)
	Tu 3:30pm - 4:50pm	CCC 1100

CPSP119L **College Park Scholars First-Year Colloquium II**

CPSP119L College Park Scholars First-Year Colloquium II; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

0101	Reid Compton	Seats (Total: 100)
	W 3:30pm - 5:30pm	PLS 1140

CPSP119N **College Park Scholars First-Year Colloquium II**

CPSP119N College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Restricted to College Park Scholars-International Studies.

0101	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1100
0102	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CBD 1140
0103	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1115
0104	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1200
0105	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 20) CCC 1111

CPSP119P **College Park Scholars First-Year Colloquium II**

CPSP119P College Park Scholars First-Year Colloquium II; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

0101	Kenyatta Crenshaw Tu 11:00am - 12:15pm Contact instructor or department for details.	Seats (Total: 35) TLF 1126
0201	Kenyatta Crenshaw W 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 30) CCC 1205
0301	Kenyatta Crenshaw W 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 27) CCC 1205

CPSP119T **College Park Scholars First-Year Colloquium II**

CPSP119T College Park Scholars First-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science, Technology and Society.

0101	David Tomblin M 3:30pm - 4:50pm	Seats (Total: 87) CCC 1205

CPSP219A **College Park Scholars Second-Year Colloquium II**

CPSP219A College Park Scholars Second-Year Colloquium II; (1-2 credits)
Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars Arts students. Workshops will be negotiated during the first week of class.

0101	Harold Burgess, Eowyn Mays, Christopher Vogel Tu 6:00pm - 8:00pm	Seats (Total: 75) CCC 1205

CPSP219L **College Park Scholars Second-Year Colloquium II**

CPSP219L College Park Scholars Second-Year Colloquium II; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

0101	Patricia Shields, Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0201	William Higgins Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0301	Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0401	Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1172

CPSP222 **Analyzing Media Practice through Theory**

CPSP222 Analyzing Media Practice through Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Prerequisite: CPSP118. Restriction: Must be in the Scholars Media, Self and Society Program.* Media analysis investigating patterns of ownership, the working of media organizations, patterns of coverage and the nature of audiences. Restricted to College Park Scholars (CPMS).

0101	Kalyani Chadha TuTh 12:30pm - 1:45pm	Seats (Total: 83) CCC 1205

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: Must have completed an [SB] CORE course. Restriction: Must be in the College Park Scholars Program. Exploration and understanding of ways science and technology shape and are shaped by society. Open to students registered to earn the University Certificate Program in Science, Technology, and Society.

0101	David Tomblin TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105
0201	Nicole Mogul TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1200

CPSP239A **Practicum: Internship; Arts**
Contact department for information to register for this course.

CPSP239B **Practicum: Internship**

CPSP239B Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Business, Society and the Economy..

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 45)

CPSP239D **Practicum: Internship**

CPSP239D Practicum: Internship; (1-3 credits) Grade Method: REG. Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Alan Peel W 4:30pm - 5:50pm	Seats (Total: 60) CCC 1100

CPSP239E **Practicum: Internship**

CPSP239E Practicum: Internship; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Economy.
Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 2, 2014.

0101	Becky Archer M 5:00pm - 6:15pm	Seats (Total: 55) CCC 1205

CPSP239F **Practicum: Internship**

CPSP239F Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

0101	Elisabeth Maring, Muhiuddin Haider, Greg Raspanti, Krishna Bhagat, Colleen Farmer M 4:00pm - 5:15pm	Seats (Total: 20) CCC 1100

CPSP239G **Practicum: Internship**

CPSP239G Practicum: Internship; (1-3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz Contact instructor or department for details.	Seats (Total: 75)

CPSP239J **Practicum: Internship**

CPSP239J Practicum: Internship; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Contact instructor or department for details.	Seats (Total: 75)

CPSP239L **Practicum: Internship**
Contact department for information to register for this course.

CPSP239N **Practicum: Internship**

CPSP239N Practicum: Internship; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies.

0101	Felipe Westhelle	Seats (Total: 40)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

CPSP239P **Practicum: Internship**

CPSP239P Practicum: Internship; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

0101	Jennifer Littlefield	Seats (Total: 30)
	Contact instructor or department for details.	

CPSP239T **Practicum: Internship**

CPSP239T Practicum: Internship; (1 credit) Grade Method: REG.
Through a series of lectures, workshops and programming support, students enrolled in CPSP 239t 0201 will work in teams to create functional mobile apps. Course participants will have the option to submit their project to the Code for Community Challenge Competition.

0101	David Tomblin	Seats (Total: 20)
	Th 3:40pm - 5:00pm	CCC 1105
0201	Matthew Aruch	Seats (Total: 30)
	Th 5:30pm - 7:00pm	CCC 1100

CPSP249A **Practicum: Service-Learning**

CPSP249A Practicum: Service-Learning; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess	Seats (Total: 14)
	Th 5:00pm - 7:00pm	CCC 1105

CPSP249B **Practicum: Service-Learning**

CPSP249B Practicum: Service-Learning; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Business, Society and the Economy.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 25)

CPSP249D **Practicum: Service-Learning**

CPSP249D Practicum: Service-Learning; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Alan Peel W 4:30pm - 5:50pm	Seats (Total: 35) CCC 1100

CPSP249E **Practicum: Service-Learning**

CPSP249E Practicum: Service-Learning; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Environment, Technology and Economy. Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 2, 2014.

0101	Becky Archer M 5:00pm - 6:15pm	Seats (Total: 30) CCC 1205

CPSP249F **Practicum: Service-Learning**

CPSP249F Practicum: Service-Learning; (1-3 credits) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

0101	Krishna Bhagat, Muhiuddin Haider, Colleen Farmer, Elisabeth Maring, Greg Raspanti M 4:00pm - 5:15pm	Seats (Total: 40) CCC 1100

CPSP249G **Practicum: Service-Learning**

CPSP249G Practicum: Service-Learning; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249J **Practicum: Service-Learning**

CPSP249J Practicum: Service-Learning; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249L **Practicum: Service-Learning**

CPSP249L Practicum: Service-Learning; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249N **Practicum: Service-Learning; International Studies**

CPSP249N Practicum: Service-Learning: International Studies; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies

0101	Felipe Westhelle	Seats (Total: 15)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

CPSP249P **Practicum: Service-Learning**
Contact department for information to register for this course.

CPSP249T **Practicum: Service-Learning**

CPSP249T Practicum: Service-Learning; (1 credit) Grade Method: REG.
Most of the class times will be spent at area Prince George's schools with partnering robotics teams. Consult the class requirements and locations provided in the syllabus at the beginning of the class.

0101	Matthew Aruch Th 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 25) CCC 1200
0201	Matthew Aruch Th 2:00pm - 3:15pm Contact instructor or department for details.	Seats (Total: 10) CCC 1200

CPSP259A **Practicum: Research**
Contact department for information to register for this course.

CPSP259B **Practicum: Research**

CPSP259B Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Business, Society and the Economy.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 15)

CPSP259E **Practicum: Research**

CPSP259E Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars - Environment, Technology and Economy.
Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 2, 2014.

0101	Becky Archer M 5:00pm - 6:15pm	Seats (Total: 15) CCC 1205

CPSP259F **Practicum: Research**

CPSP259F Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

0101	Colleen Farmer, Krishna Bhagat, Greg Raspanti, Elisabeth Maring, Muhiuddin Haider	Seats (Total: 10)
	M 4:00pm - 5:15pm	CCC 1100

CPSP259G **Practicum: Research; Science and Global Change**

CPSP259G Practicum: Research: Science and Global Change; (1-3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Science and Global Change.

0101	Thomas Holtz	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP259J **Practicum: Research**

CPSP259J Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Media, Self and Society.

0101	Kalyani Chadha	Seats (Total: 10)
	Contact instructor or department for details.	

CPSP259L **Practicum: Research**

CPSP259L Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Life Sciences.

0101	Reid Compton	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP259N **Practicum: Research**

CPSP259N Practicum: Research; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-International Studies.

0101	Felipe Westhelle Contact instructor or department for details.	Seats (Total: 25)

CPSP259P **Practicum: Research**

CPSP259P Practicum: Research; (1-3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Public Leadership.

0101	Jennifer Littlefield, Nina Harris Contact instructor or department for details.	Seats (Total: 20)

CPSP269A **Practicum: Peer Teaching**

CPSP269A Practicum: Peer Teaching; (1-3 credits) Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.

0101	Eowyn Mays, Harold Burgess, Christopher Vogel Contact instructor or department for details.	Seats (Total: 10)
0201	Harold Burgess, Eowyn Mays, Christopher Vogel Contact instructor or department for details.	Seats (Total: 10)
0301	Harold Burgess, Eowyn Mays, Christopher Vogel Contact instructor or department for details.	Seats (Total: 10)

CPSP269B **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269D **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269E **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269F **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269G **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269J **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269L **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269N **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269P **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP279A **Practicum: Study Abroad; Scholars Study Abroad Practicum**
Contact department for information to register for this course.

CPSP279B **Practicum: Study Abroad; Business, Society and the Economy**

CPSP279B Practicum: Study Abroad: Business, Society and the Economy; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Business, Society and the Economy.

0101	Mark Wellman	Seats (Total: 22)
	Contact instructor or department for details.	

CPSP279F **Practicum: Study Abroad**

CPSP279F Practicum: Study Abroad; (1 credit) Grade Method: REG/P-F/AUD. Restricted to College Park Scholars - Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

0101	Muhiuddin Haider, Greg Raspanti, Krishna Bhagat, Colleen Farmer, Elisabeth Maring M 4:00pm - 5:15pm	Seats (Total: 10) CCC 1100

CPSP339 **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339B **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339D **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339F **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339G **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339J **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339L **Advanced Practicum: Internship**
Contact department for information to register for this course.

CPSP339N	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP339P	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP339T	**Advanced Practicum: Internship** **Contact department for information to register for this course.**
CPSP349A	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349B	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349D	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349E	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349F	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349G	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349J	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349L	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**
CPSP349N	**Advanced Practicum: Service Learning** **Contact department for information to register for this course.**

CPSP349P **Advanced Practicum: Service Learning**
Contact department for information to register for this course.

CPSP349T **Advanced Practicum: Service Learning**
Contact department for information to register for this course.

CPSP359A **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359B **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359D **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359F **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359G **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359J **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359L **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359N **Advanced Practicum: Research; INTERNATIONAL STUDIES**

CPSP359N Advanced Practicum: Research: INTERNATIONAL STUDIES; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.

0101	Felipe Westhelle	Seats (Total: 35)
	Contact instructor or department for details.	

CPSP359P **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP359S **Advanced Practicum: Research; Discovery Research**

CPSP359S Advanced Practicum: Research: Discovery Research; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, Friday, May 3, 2013.

0101	David Eubanks	Seats (Total: 29)
	TuTh 9:30am - 10:45am	CCC 1200

CPSP359T **Advanced Practicum: Research**
Contact department for information to register for this course.

CPSP369 **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369A **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369B **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369D **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369E **Advanced Practicum: Peer Teaching; ..**
Contact department for information to register for this course.

CPSP369G **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369J **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369L **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369P **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP369T **Advanced Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP379B **Advanced Practicum: Study Abroad; Dubai: Global Immersion Experience**
Contact department for information to register for this course.

CPSP379D **Advanced Practicum: Study Abroad; United Arab Emirates: Global Immersion**
Contact department for information to register for this course.

CPSP388B **Advanced Special Topics in College Park Scholars; Innovation**

CPSP388B *(PermReq)* **Advanced Special Topics in College Park Scholars: Innovation; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Wellman	Seats (Total: 33)
	W 7:00pm - 9:45pm	Location: TBA

CPSP388C **Advanced Special Topics in College Park Scholars; Value Chain Challenges of the Cruise Ship Industry**
Contact department for information to register for this course.

DANC Dance Spring 2014

DANC109 **Improvisation I; Improvisation I**

DANC109 *(PermReq)* **Improvisation I: Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Sharon Mansur	Seats (Total: 25)	
	TuTh 11:00am - 12:15pm	PAC 1912	Lab

DANC138L **World Dance Forms; Latin-Influenced Contemporary Dance**

DANC138L World Dance Forms: Latin-Influenced Contemporary Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Ana Farfan TuTh 2:00pm - 3:15pm	Seats (Total: 25) PKT 2102	 Lab

DANC138W **World Dance Forms; World Dance Forms: West African Dance**

DANC138W World Dance Forms: World Dance Forms: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Kwame Opare TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1912	
0102	Kwame Opare TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	

DANC148 **Fundamentals of Modern Dance; Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance: Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Ana Farfan TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	 Lab
0102	Erin Crawley-Woods TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	 Lab
0103	Nicole McClam TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1610	 Lab

DANC149 **Fundamentals of Modern Dance II; Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II: Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Stephanie Miracle MW 11:00am - 12:15pm	Seats (Total: 25) PAC 1912	 Lab
0102	Meghan Bowden TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1610	 Lab

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**

DANC199 *(PermReq)* **Practicum in Choreography, Production and Performance I: Dance Workshop I; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0101	Robin Brown TuTh 12:30pm - 1:45pm	Seats (Total: 25) HBK 0108	
0201	Lynne Price TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 0108	
0301	Erin Crawley-Woods TuTh 3:30pm - 4:45pm	Seats (Total: 25) HBK 0108	

DANC207 **The Creative Process**

DANC207 *(PermReq)* **The Creative Process; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC109. Restriction: Permission of ARHU-Dance department.
Explorations in movement, music, words, objects, and environments through improvisation and choreographic problem solving.

0101	Patrik Widrig MWF 2:00pm - 3:20pm	Seats (Total: 15) PAC 1912	Lab

---

DANC209 **Dance Composition**

DANC209 *(PermReq)* **Dance Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC207 and permission of department.

0101	Alvin Mayes MWF 12:30pm - 1:50pm	Seats (Total: 15) PAC 1912	 Lab

DANC218 **Foundations of Technique I**

DANC218 *(PermReq)* **Foundations of Technique I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Adriane Fang MWF 12:30pm - 1:50pm	Seats (Total: 17) PAC 1610	 Lab

DANC219 **Foundations of Technique II**

DANC219 *(PermReq)* **Foundations of Technique II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC218 and permission of department.

0101	Alvin Mayes MWF 9:30am - 10:50am	Seats (Total: 8) PAC 1912	 Lab
0102	Adriane Fang MWF 12:30pm - 1:50pm	Seats (Total: 8) PAC 1610	 Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Jessica Laurita-Spanglet TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1908	 Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Mané Rebelo-Plaut TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1908	 Lab

DANC283 **Foundations of Dance History**

DANC283 *(PermReq)* **Foundations of Dance History; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Dance department. Introduction to the historical throughlines of dance theory. Analysis of the structure, context, and content of dance works.

0101	Miriam Phillips TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 1809	

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**

DANC299 *(PermReq)* **Practicum in Choreography, Production and Performance II: Dance Workshop II; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC318 **Foundations of Technique III**

DANC318 *(PermReq)* **Foundations of Technique III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC219 an permission of department.

0101	Instructor: TBA MWF 11:00am - 12:20pm	Seats (Total: 8) PAC 1610	Lab
0102	Alvin Mayes MWF 9:30am - 10:50am	Seats (Total: 10) PAC 1912	Lab

DANC319 **Foundations of Technique IV**

DANC319 *(PermReq)* **Foundations of Technique IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC318 and permission of department.

0101	Instructor: TBA MWF 11:00am - 12:20pm	Seats (Total: 14) PAC 1610	Lab

DANC328 **Ballet III; Ballet III for Majors**

DANC328 *(PermReq)* **Ballet III: Ballet III for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Mané Rebelo-Plaut	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV; Ballet IV for Majors**

DANC329 *(PermReq)* **Ballet IV: Ballet IV for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Mané Rebelo-Plaut	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC338F **Global Movement Practices; Flamenco Dance**

DANC338F *(PermReq)* **Global Movement Practices: Flamenco Dance; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC138F or permission of instructor.

0101	Miriam Phillips	Seats (Total: 20)	
	MW 12:30pm - 1:50pm	PAC 1908	

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC398 **Directed Studies in Dance; Directed Studies: Dance**

DANC398 *(PermReq)* **Directed Studies in Dance: Directed Studies: Dance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**

DANC399 *(PermReq)* **Practicum in Choreography, Production and Performance III: Dance Workshop III; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 299.

Contact department for information to register for this course.

DANC405 **Dance Education and Policy**

DANC405 *(PermReq)* **Dance Education and Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Dance department. Curricula in dance in K-12 settings, classroom management, assessment/grading, and best practices in dance education in public schools. Current research and policy issues are included. This course counts towards teacher certification in the State of Maryland.

0101	Karen Bradley	Seats (Total: 10)	
	TuTh 3:30pm - 4:45pm	PAC 1924	

DANC420 **Partnering**

DANC420 *(PermReq)* **Partnering; (2 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Dance department. Elements of contemporary partnering including weight sharing, counter balancing, momentum/leverage, lifting and moving responsively.

0101	Alvin Mayes	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	PAC 1908	

DANC448 **Modern Dance V**

DANC448 *(PermReq)* **Modern Dance V; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC319 and audition.

0101	Instructor: TBA	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 *(PermReq)* **Modern Dance VI; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC448.

0101	Instructor: TBA	Seats (Total: 6)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC488 **Project-Based Learning; Project-Based Learning**

DANC488 *(PermReq)* **Project-Based Learning: Project-Based Learning; (4 credits)** Grade Method: REG/P-F/AUD.

0101	Sharon Mansur	Seats (Total: 16)
	MW 3:30pm - 6:30pm	PAC 1912

DANC499 **Practicum in Choreography, Production and Performance IV; Practicum in Choreography, Production and Performance IV**

DANC499 *(PermReq)* **Practicum in Choreography, Production and Performance IV: Practicum in Choreography, Production and Performance IV; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 399.

Contact department for information to register for this course.

DANC611 **Dance Technology and Media**

DANC611 *(PermReq)* **Dance Technology and Media; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Project-based development of media and technological support for dance performance, archiving, and portfolio design, development and implementation.

0101	Paul Jackson	Seats (Total: 5)
	MW 9:30am - 10:50am	PAC 1610

DANC648 **Advanced Modern Dance Technique I; Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I: Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II; Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II: Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Instructor: TBA MWF 2:00pm - 3:20pm	Seats (Total: 5) PAC 1610	Lab

DANC679 **Graduate Dance Performance; Grad Dance Performance**

DANC679 Graduate Dance Performance: Grad Dance Performance; (1-3 credits) Grade Method: REG/AUD.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 2)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 2)
0301	Sara Pearson Contact instructor or department for details.	Seats (Total: 2)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 2)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 2)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 2)
0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 2)
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 2)
1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 2)

DANC689P **Special Topics in Dance; Contemporary Partnering**

DANC689P Special Topics in Dance: Contemporary Partnering; (3 credits) Grade Method: REG/AUD.

0101	Alvin Mayes TuTh 2:00pm - 3:15pm	Seats (Total: 5) PAC 1908

DANC698 **Independent Study in Dance; Independent Study in Dance**

DANC698 Independent Study in Dance: Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC708 **Choreography II; Collaborative Work**

DANC708 Choreography II: Collaborative Work; (3 credits) Grade Method: REG/AUD.

0101	Sara Pearson	Seats (Total: 5)
	MW 3:30pm - 5:30pm	PAC 1610

DANC766 **Movement Observation and Analysis**

DANC766 Movement Observation and Analysis; (2 credits) Grade Method: REG/AUD.
Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Aspects of cultural and nonverbal analysis, developmental movement, kinesiological analysis, Laban Movement Analysis, with the goal of developing the student/teacher's ability to observe macro and micro levels of detail.

0101	Karen Bradley	Seats (Total: 5)
	MW 11:00am - 12:20pm	PAC 1924

DANC777 **Internship in Dance**

DANC777 *(PermReq)* **Internship in Dance; (6 credits)** Grade Method: S-F.
Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0701	Karen Bradley	Seats (Total: 5)
	Contact instructor or department for details.	

DANC784 **Dance in a Global Context**

DANC784 Dance in a Global Context; (3 credits) Grade Method: REG/AUD. *Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Topics that illuminate dance in global context and provides an overview of methods, challenges and perspectives to the study of dance cross-culturally will be considered. Simultaneously, surveys select dance practices spanning many geographical areas, and offers insight into the diverse social, cultural, religious, and political environments from which dance extends.

0101	Miriam Phillips MW 3:30pm - 4:50pm	Seats (Total: 5) PAC 1924

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory; Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory: Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD.

0101	Patrik Widrig Contact instructor or department for details.	Seats (Total: 6)
0201	Sara Pearson Contact instructor or department for details.	Seats (Total: 6)
0301	Anne Warren Contact instructor or department for details.	Seats (Total: 6)
0401	Alvin Mayes Contact instructor or department for details.	Seats (Total: 6)
0501	Paul Jackson Contact instructor or department for details.	Seats (Total: 6)
0601	Sharon Mansur Contact instructor or department for details.	Seats (Total: 6)

0701	Karen Bradley Contact instructor or department for details.	Seats (Total: 6)	
0801	Miriam Phillips Contact instructor or department for details.	Seats (Total: 6)	
0901	Instructor: TBA Contact instructor or department for details.	Seats (Total: 6)	
1001	Adriane Fang Contact instructor or department for details.	Seats (Total: 6)	

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON Economics Spring 2014

ECON155 **Economics & the College Affordability Crisis**

ECON155 Economics & the College Affordability Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Additional information: No background in economics is required, although this course could be a nice complement for ECON200 and ECON201.* Why have tuition and fees increased substantially over the past 30 years at almost all institutions of higher education in the US? How can quality and productivity be measured in schools? Why do most students pay considerably less than the actual cost of service provision? What is society's interest in devoting considerable resources to education beyond the high school level? How do existing and proposed governmental policies impact both the number of students pursuing a college education and the cost of this education? ECON155 uses tools from economics to examine and explore answers to these and other related questions.

0101	Cindy Clement MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 TYD 0102	 Discussion

0102	Cindy Clement MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 TYD 2111	Discussion
0103	Cindy Clement MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) SHM 2102 TYD 2102	Discussion
0104	Cindy Clement MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 TYD 2110	Discussion
0105	Cindy Clement MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 TYD 0102	Discussion
0106	Cindy Clement MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 TYD 0101	Discussion

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

BL01	Robert Schwab TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 450) TYD 0130 TYD 0130	Discussion
Blended Learning courses combine face-to-face and online interactions.			

BL02	Robert Schwab	Seats (Total: 450)	
	TuTh 12:30pm - 1:45pm	TYD 0130	
	F 12:00pm - 12:50pm	TYD 0130	Discussion

Blended Learning courses combine face-to-face and online interactions.

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	John Neri	Seats (Total: 440)	
	TuTh 2:00pm - 3:15pm	TYD 0130	
	F 10:00am - 10:50am	TYD 0130	Discussion
0201	Naveen Sarna	Seats (Total: 440)	
	TuTh 3:30pm - 4:45pm	TYD 0130	
	F 1:00pm - 1:50pm	TYD 0130	Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 Methods and Tools for Economic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Restriction: Must be in a major within BSOS-Economics department; and must not have completed MATH240 or MATH241. Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) MMH 1400 TYD 1114	Discussion
0102	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) MMH 1400 TYD 2102	Discussion
0103	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) MMH 1400 TYD 2102	Discussion
0104	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 31) MMH 1400 TYD 1132	Discussion
0105	Peter Cramton TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) MMH 1400 TYD 2110	Discussion
0106	Peter Cramton TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 31) MMH 1400 TYD 1108	Discussion
0201	Ricardo Espinoza Gonzalez MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON305 or ECON325. Additional information: ECON325, Intermediate Macroeconomic Analysis, is a different course designed specifically for economics majors. ECON325 is accepted for ECON major requirements, but ECON305 is not. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri	Seats (Total: 240)
	TuTh 11:00am - 12:15pm	KEY 0106

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200 or AREC250; and ECON201; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Peter Coughlin	Seats (Total: 240)
	TuTh 11:00am - 12:15pm	LEF 2205

ECON310 **European Economic History**
Contact department for information to register for this course.

ECON311 **American Economic History Before the Civil War**

ECON311 American Economic History Before the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department. Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0101	Alvaro La Parra Perez	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	TYD 2102

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Credit only granted for: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101	Stefania Scandizzo MWF 10:00am - 10:50am	Seats (Total: 40) TYD 0101
0201	Stefania Scandizzo MWF 11:00am - 11:50am	Seats (Total: 40) TYD 0101
0301	Jeffrey Werling TuTh 2:00pm - 3:15pm	Seats (Total: 40) SQH 1103

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department; or permission of BSOS-Economics department. Credit only granted for: ECON398C or ECON317. Formerly: ECON398C. Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132
0201	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Recommended: STAT100. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Satyendra Verma MW 3:30pm - 4:45pm	Seats (Total: 160) SHM 2102	
0201	Eliane Catilina TuTh 12:30pm - 1:45pm	Seats (Total: 120) LEF 2205	

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON305 or ECON325. Additional information: ECON305, Intermediate Macroeconomic Theory and Policy, is a different course designed for other majors besides ECON. ECON325 is accepted for major requirements, but ECON305 is not. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Allan Drazen MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 31) TYD 0117 TYD 1132	 Discussion
0102	Allan Drazen MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) TYD 0117 TYD 2108	 Discussion
0104	Allan Drazen MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0117 TYD 1114	 Discussion

0201	L Stevens MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 31) JMZ 0220 TYD 0102	Discussion
0202	L Stevens MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 31) JMZ 0220 TYD 1132	Discussion
0203	L Stevens MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 31) JMZ 0220 TYD 1114	Discussion
0204	L Stevens MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 31) JMZ 0220 TYD 2102	Discussion

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory and Policy, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Ginger Jin MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 EDU 0114	Discussion
0102	Ginger Jin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 31) JMZ 0220 TYD 1108	Discussion

0103	Ginger Jin MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 31) JMZ 0220 TYD 2108	Discussion
0104	Ginger Jin MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 31) JMZ 0220 TYD 2102	Discussion
0201	Ginger Jin MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 31) JMZ 0220 TYD 2111	Discussion
0202	Ginger Jin MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 31) JMZ 0220 EDU 1121	Discussion
0203	Ginger Jin MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 31) JMZ 0220 TWS 1107	Discussion
0204	Ginger Jin MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 31) JMZ 0220 TYD 0101	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 300) TYD 0130

ECON340 **International Economics**
Contact department for information to register for this course.

ECON358E **Special Topics in Study Abroad III; Environmental Economics**

Contact department for information to register for this course.

ECON358T **Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**
Contact department for information to register for this course.

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within BSOS-Economics department; and minimum cumulative GPA of 2.75; and junior standing or higher. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON397 **Honors Thesis**

ECON397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON396. Restriction: Must be a candidate for honors in economics.
General supervision will be provided through assembled meetings with the professor in charge of the course.

0101	John Straub	Seats (Total: 15)
	Tu 2:00pm - 4:45pm	TYD 0111

ECON398E **Topics in Economics; Environmental Economics**
Contact department for information to register for this course.

ECON398H **Topics in Economics; UK Economy & Financial Systems**
Contact department for information to register for this course.

ECON398K **Topics in Economics; Competitive Market Structures**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial System**
Contact department for information to register for this course.

ECON398M **Topics in Economics; Economics of Employment**

Contact department for information to register for this course.

ECON398N **Topics in Economics; Economics of Microfinance**

ECON398N Topics in Economics: Economics of Microfinance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON325 and 326. Restriction: Must be in a major within the BSOS-Economics department. See advising department for course description.

0101	Thierry Van Bastelaer Th 6:00pm - 8:45pm	Seats (Total: 25) TYD 1108

ECON398P **Topics in Economics; Theory and Policy of Poverty Alleviation**

ECON398P Topics in Economics: Theory and Policy of Poverty Alleviation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON326 and one of the following: ECON321 or STAT400. Restriction: Must be in a major within the BSOS-Economics department. See advising department for course description.

0101	Michele Ver Ploeg M 6:30pm - 9:15pm	Seats (Total: 25) TYD 1114

ECON398X **Topics in Economics; Experimental Economics**

ECON398X *(PermReq)* **Topics in Economics: Experimental Economics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ECON414. Restriction: Must be in a major within the BSOS-Economics department. See advising department for course description.

0101	Emel Filiz Ozbay TuTh 2:00pm - 3:15pm	Seats (Total: 25) TYD 0102

ECON398Z **Topics in Economics; Business Economics**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON399M **Individual Readings and Research For Undergraduates; Economy and Society**
Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON321, STAT400); and minimum grade of C- in ECON325 and ECON326. Restriction: Must be in a major within the BSOS-Economics department. Analysis of current economic problems and public policies. Topics include increasing competitiveness, mitigating poverty, addressing harmful effects of income inequality, promoting environmental sustainability, and facilitating economic stability and growth.

0101	Erin Moody MW 6:30pm - 7:45pm	Seats (Total: 25) TLF 1103
0201	Erin Moody MW 5:00pm - 6:15pm	Seats (Total: 25) KEY 0121
0301	John Sabelhaus Tu 6:00pm - 8:45pm	Seats (Total: 25) TYD 0101

ECON402 **Macroeconomic Models and Forecasting**

ECON402 Macroeconomic Models and Forecasting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Analysis of the fluctuations in economic activity and the formulation and use of forecasting models of the economy. Illustrations of computer macro models and forecasting problems.

0101	Douglas Meade TuTh 3:30pm - 4:45pm	Seats (Total: 36) PLS 1129

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: CMSC474, ECON414, or GVPT390. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Nuno Limao TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 1108
0201	Nuno Limao TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1108

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Jessica Goldberg TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1114
0201	Raymond Guiteras TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 2106
0301	Raymond Guiteras TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 0101

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in a major within the BSOS-Economics department. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 1102
0201	Instructor: TBA MW 11:00am - 12:15pm	Seats (Total: 38) TYD 1101
0301	Razvan Vlaicu TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 1101
0401	Razvan Vlaicu TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 2111

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS. Meets in computer labs 3 and 4 in LeFrak (0229 and 0231).

0101	John Straub MW 3:30pm - 4:45pm	Seats (Total: 38) LEF LAB3
0201	John Straub MW 2:00pm - 3:15pm	Seats (Total: 38) LEF LAB3

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON325 and ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Alvaro Pedraza	Seats (Total: 38)
	TuTh 9:30am - 10:45am	TYD 2110

ECON441 **Theory of International Economics**
Contact department for information to register for this course.

ECON442 **Globalization and Capital Markets**

ECON442 Globalization and Capital Markets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON442. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Ling Zhu	Seats (Total: 38)
	MW 12:30pm - 1:45pm	TYD 1114

ECON443 **International Trade and Trade Policy in the New Global Economy**

ECON443 International Trade and Trade Policy in the New Global Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325. Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON443. Examines the economics of international economic integration, including the theory of customs unions and free trade areas, the role of GATT and the WTO, changes in individual countries' foreign trade policies during the new era of globalization, the special role of multinational firms in world trade, and recent controversies about the benefits and costs of globalized trade.

0101	Stefania Scandizzo	Seats (Total: 38)
	MWF 1:00pm - 1:50pm	TYD 0101

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin	Seats (Total: 38)
	TuTh 3:30pm - 4:45pm	TYD 1108

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Hulten	Seats (Total: 38)
	MW 2:00pm - 3:15pm	TYD 2102

ECON456 **Law and Economics**

ECON456 Law and Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity and efficiency issues .

0101	Eliane Catilina TuTh 9:30am - 10:45am	Seats (Total: 38) TYD 1132
0201	Eliane Catilina TuTh 3:30pm - 4:45pm	Seats (Total: 38) TYD 0102

ECON458Q **Special Topics in Study Abroad IV; State and Economy**
Contact department for information to register for this course.

ECON460 **Industrial Organization**
Contact department for information to register for this course.

ECON470 **Labor Economics:Theory and Evidence**

ECON470 Labor Economics:Theory and Evidence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. An analytical treatment of theories of labor markets, and an examination of empirical findings, evidence and conclusions. Topics covered will include some or all of the following: labor demand; labor supply and labor market participation; theory of human capital; earnings differentials; and if time allows, market structure and the efficiency of labor markets; and unemployment.

0101	Soohyung Lee TuTh 2:00pm - 3:15pm	Seats (Total: 38) TYD 1118
0201	Soohyung Lee TuTh 11:00am - 12:15pm	Seats (Total: 38) TYD 0101

ECON481 **Theory and Policy in Environmental Economics**

ECON481 Theory and Policy in Environmental Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; or must be in a major in AGNR-Dean-Environmental Science & Policy Program. Application of economic theory and empirical tools to the analysis of environmental issues. The concepts of externalities, public goods, property rights and cost-benefit analysis are applied to air pollution, water pollution, solid waste management, hazardous waste, and global warning. The optimal role and various tools of public policy are addressed.

0101	Leland Deck	Seats (Total: 38)	
	M 6:30pm - 9:15pm	TYD 2110	

ECON602 **Macroeconomic Analysis II**

ECON602 *(PermReq)* **Macroeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON601; or permission of BSOS-Economics department. Further issues regarding macroeconomic topics. First half emphasis will be placed on dynamic macroeconomic theory as pertaining to monetary issues, policy ineffectiveness and effectiveness. The second half of the course will focus on theories of investment and growth.

0101	Sadik Aruoba, John Haltiwanger	Seats (Total: 48)	
	MW 9:30am - 10:45am	TYD 1114	
	M 5:00pm - 6:45pm	TYD 2108	Discussion

ECON604 **Microeconomic Analysis II**

ECON604 *(PermReq)* **Microeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON603. Restriction: Permission of BSOS-Economics department. Analysis of markets and market equilibria; the Arrow-Debreu model of general equilibrium, the two-sector model, welfare theorems, externalities, public goods, markets with incomplete and asymmetric information.

0101	Daniel Vincent, Erkut Ozbay TuTh 2:00pm - 3:15pm F 12:00pm - 1:45pm	Seats (Total: 45) TYD 0101 TYD 2106	 Discussion

ECON616 **Economic Development II**

ECON616 Economic Development II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON615, ECON603, and ECON604; or permission of BSOS-Economics department.* Survey of a variety of models explaining how market failures may lead to poverty and underdevelopment, with an emphasis on the empirical evaluation of constraints faced by individuals in developing countries and the programs that attempt to alleviate those constraints. Topics include: agricultural and land markets, labor markets, human capital in developing countries, credit markets, and consumption smoothing and risk coping.

0101	Jessica Goldberg TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 2108

ECON624 **Econometrics II**

ECON624 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON623; or permission of BSOS-Economics department.* A continuation of ECON623. Topics include: Nonlinear models and nonlinear estimation methods (generalized method of moments and maximum likelihood estimation), panel data models, univariate dynamic models, multivariate dynamic models including simultaneous equation models, and non-parametric/semiparametric estimation methods. The course will also provide instructions on the use of a major statistical package such as Stata or TSP.

0101	Ingmar Prucha, Guido Kuersteiner TuTh 12:30pm - 1:45pm Th 5:30pm - 7:15pm	Seats (Total: 30) TYD 0101 TYD 2108	 Discussion

ECON641 **Microeconomic Analysis**

ECON641 Microeconomic Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Credit only granted for: ECON641 or ECON506. Formerly: ECON506. Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics.

PR01	Andrew Stocking	Seats (Total: 25)	
	Meets March 3, 2014 - May 16, 2014		
	M 6:30pm - 9:15pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington DC.		

ECON643 **Empirical Analysis I: Foundations of Empirical Research**

ECON643 Empirical Analysis I: Foundations of Empirical Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ECON643 or ECON521. Formerly: ECON521. Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software.

PR02	Ephraim Leibtag	Seats (Total: 25)	
	Meets March 3, 2014 - May 16, 2014		
	W 6:30pm - 9:15pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington DC.		

ECON645 **Empirical Analysis III: Econometric Modeling and Forecasting**

ECON645 Empirical Analysis III: Econometric Modeling and Forecasting; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON522. Credit only granted for: ECON645 or ECON523. Formerly: ECON523. Study of empirical techniques that are particularly relevant to the analysis of microeconomic models. Emphasis is on advanced panel data methods, time series regressions, instrumental variables, limited dependent variables, and sample selection corrections.

PR01	Naomi Feldman	Seats (Total: 25)	
	Meets March 3, 2014 - May 16, 2014		
	Th 6:30pm - 9:15pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington DC.		

ECON661 **The Corporate Firm**

ECON661 *(PermReq)* **The Corporate Firm; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603. This course examines firms' strategic behavior in a variety of settings and considers theories of the firm and industrial structure. Topics may include product choice, quality, advertising, consumer search and switch costs, manufacturer-retailer relations, manufacturer-supplier relations, vertical integration, and alternative industrial structures.

0101	Emel Filiz Ozbay	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 0111

ECON664 **Empirical Studies in Industrial Organization**

ECON664 Empirical Studies in Industrial Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON604 and ECON603; and (ECON624 or ECON621). Recommended: ECON662, ECON661, and ECON626. Credit only granted for: ECON664 or ECON698J. Formerly: ECON698J. Review recent empirical literature in industrial organization. Covers price discrimination, cartel and collusion, entry and market structure, information and competition, technological change and adoption, auction, and firm organization.

0101	Ginger Jin	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 0101

ECON671 **Economics of Health Care**

ECON671 Economics of Health Care; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565.* An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.

PR01	Patrick Richard	Seats (Total: 25)	
	Meets March 3, 2014 - May 16, 2014		
	Tu 6:30pm - 9:15pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course meets at 1400 16th Street NW, Washington DC.		

ECON674 **Economic Analysis of Law**

ECON674 Economic Analysis of Law; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.* A study of the application of economics to law with a focus on game theory, strategic behavior and public policy.

PR01	Seth Sacher	Seats (Total: 25)	
	Meets March 3, 2014 - May 16, 2014		
	Tu 6:30pm - 9:15pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course will meet at 1400 16th Street, NW Washington DC.		

ECON675 **Environmental Economics**

ECON675 Environmental Economics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.* A study of the nature of environmental regulation focusing on U.S. environmental policies and policy debates.

PR01	Instructor: TBA	Seats (Total: 25)	
	Meets March 3, 2014 - May 16, 2014		
	Th 6:30pm - 9:15pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Department of Economics' Professional Program. This course will meet at 1400 16th Street, NW Washington DC.		

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON702 **Advanced Macroeconomics II**

ECON702 *(PermReq)* **Advanced Macroeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON602 and ECON601. Selected issues in monetary economics with an equal emphasis of learning the models and understanding important issues: a survey of models (cash-in-advance, money-in-the-utility-function, transaction cost, search-based models), empirical issues in monetary economics, business cycles and money, monetary policy, welfare cost of inflation, alternative media of exchange.

0101	L Stevens	Seats (Total: 20)
	MW 2:00pm - 3:15pm	TYD 1114

ECON704 **Advanced Microeconomics II**

ECON704 *(PermReq)* **Advanced Microeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603. This is the second half of a two-semester sequence in Advanced Microeconomics, intended for second-year Ph.D. students. The course material varies from year-to-year, but currently it focuses on auction theory, matching theory, and the relationship between matching and auction theory. Other topics that are treated in some years include: sequential bargaining under incomplete information; and equilibrium refinements.

0101	Lawrence Ausubel TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 2102

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Ethan Kaplan MW 12:30pm - 1:45pm	Seats (Total: 15) TYD 0111
0201	Emel Filiz Ozbay MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	Ingmar Prucha MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Peter Coughlin MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0501	Lesley Turner MW 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Allan Drazen TuTh 12:30pm - 1:45pm	Seats (Total: 10) TYD 1108

0201	Charles Hulten TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0301	L Stevens TuTh 12:30pm - 1:45pm	Seats (Total: 15) Location: TBA
0401	Razvan Vlaicu TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

ECON722 **Econometrics IV**

ECON722 *(PermReq)* **Econometrics IV; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON624; or permission of BSOS-Economics department.* Oriented towards micro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, binary and multinomial response models, censored and truncated regression models, sample selection models, count data models, duration models program evaluation and treatment effects methods, structural econometrics, the identification problem, stratified and clustered samples, spatial/cross sectional dependence models, dynamic panel data models, weak instruments, non-parametric estimation, boot strap and Jack Knife methods, pre-test estimators.

0101	Guido Kuersteiner, Ingmar Prucha TuTh 5:00pm - 7:30pm	Seats (Total: 30) TYD 0102

ECON743 **Topics in International Finance**

ECON743 Topics in International Finance; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON602; or permission of BSOS-Economics department. Recommended: ECON741.* Puzzles in international finance; portfolio balance, current account dynamics, exchange rate behavior; capital market imperfections; balance of payments crises.

0101	Sebnem Kalemli-Ozcan Tu 8:00am - 10:50am	Seats (Total: 20) TYD 0111

ECON744 **Business Cycle Theory of Emerging Economies**

ECON744 Business Cycle Theory of Emerging Economies; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON602 and ECON604. Credit only granted for: ECON698M or ECON744. Formerly: ECON698M. An advanced course in International Economics that studies business cycle theory for emerging economies. It develops a set of quantitative tools for studying the determinants of international capital flows and their business cycle implications, with emphasis on the "Sudden Stop" phenomenon of emerging-markets crises. The course blends elements of real business cycle theory, international finance and equilibrium asset pricing theory and it relies heavily on recursive macroeconomic theory. Familiarity with computing software and the techniques covered in a course on computational economics are also useful, but not required in advance.

0101	Zhanwei Yue	Seats (Total: 20)
	W 5:30pm - 8:30pm	TYD 2110

ECON745 **Advanced Topics in International Trade**

ECON745 Advanced Topics in International Trade; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON622; or ECON624. Credit only granted for: ECON698L or ECON745. Formerly: ECON698L. Designed primarily for students planning to write dissertations on a topic related to international trade. Its focus is on recent research in this field including tests of trade theories; the effects of trade on growth and knowledge diffusion; the political economy of trade policy and the theory and practice of trade agreements.

0101	Instructor: TBA	Seats (Total: 20)
	MW 9:00am - 10:15am	TYD 2108

ECON756 **Empirical Political Economics**

ECON756 *(PermReq)* **Empirical Political Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON623, ECON624, and ECON754; or students who have taken courses with comparable content may contact the department. Restriction: Permission of BSOS-Economics department. An introduction to empirical political economy. Determinants of individual political behavior and the impact of political rules on economic outcomes will both be analyzed. Modern applied econometric techniques will also be covered.

0101	Ethan Kaplan	Seats (Total: 20)
	MW 11:00am - 12:15pm	BPS 0283

ECON772 **Population Economics**

ECON772 *(PermReq)* **Population Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON771; or permission of BSOS-Economics department. Covers the central ideas in population economics. These include theory and test of theories of mortality, fertility and immigration.

0101	Judith Hellerstein	Seats (Total: 20)
	TuTh 9:30am - 10:45am	TYD 1101

ECON781 **Environmental Economics**

ECON781 Environmental Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603; and (ECON624 or ECON621). The study of economics as it applies to environmental issues and policies. Topics include: the theory of externalities and its implications, the design of environmental policies with applications, open-economy environmental economics encompassing the impact of international trade on the environment and global environmental management, and the measurement of the benefits and costs of environmental programs.

0101	Maureen Cropper	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2110

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth**

ECON808 *(PermReq)* **Workshop on Macroeconomics and Growth; (2 credits)**
Grade Method: S-F/AUD.
ECON graduate students only.

0101	John Haltiwanger W 3:30pm - 6:00pm	Seats (Total: 15) TYD 2111
0201	John Shea W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA
0301	Charles Hulten W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA
0401	L Stevens W 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha M 3:30pm - 6:00pm	Seats (Total: 20) TYD 1132

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 *(PermReq)* **Workshop in International Development, and Comparative Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Allan Drazen M 3:30pm - 6:00pm	Seats (Total: 30) TYD 2102
0201	Razvan Vlaicu M 3:30pm - 6:00pm	Seats (Total: 25) Location: TBA

ECON868 **Workshop in Industrial Organization**

ECON868 *(PermReq)* **Workshop in Industrial Organization; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Emel Filiz Ozbay Tu 3:30pm - 6:00pm	Seats (Total: 20) TYD 2108
0201	Daniel Vincent Tu 3:30pm - 6:00pm	Seats (Total: 20) Location: TBA

ECON878 **Workshop in Labor Economics**

ECON878 *(PermReq)* **Workshop in Labor Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Robert Schwab Th 3:30pm - 6:00pm	Seats (Total: 15) TYD 0101
0201	Raymond Guiteras Th 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA
0301	Soohyung Lee Th 3:30pm - 6:00pm	Seats (Total: 15) Location: TBA

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Spring 2014

EDCI210 **Exploring Teaching as a Career**

EDCI210 Exploring Teaching as a Career; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Weekly participation as a volunteer tutor in a local school or community program with children or adolescents. Regular campus meetings assist with developing teaching skills and insight.

0101	Daniel Vivas	Seats (Total: 15)
	Tu 2:00pm - 4:00pm Contact instructor or department for details.	KEY 0103
	Students should reserve two late afternoons per week for tutoring or after-school learning opportunities.	
0201	Tehani Collazo	Seats (Total: 25)
	Tu 2:00pm - 4:00pm Contact instructor or department for details.	EDU 0206
	Students will be required to complete lab hours at the College Park Academy or Northwestern High School.	

EDCI211 **Tutoring: Helping Children Learn**

EDCI211 Tutoring: Helping Children Learn; (1 credit) Grade Method: REG. *Additional information: Should not be taken concurrently with EDCI 210.* Experience as a tutor for individual or small groups of children or adolescents in local schools or community centers. Campus meetings assist in skill development.

0101	Corenne Harris	Seats (Total: 15)
	Tu 2:00pm - 4:00pm Contact instructor or department for details.	EDU 0114

EDCI243 **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

EDCI243 Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

0101	Melissa Landa MW 9:30am - 10:45am	Seats (Total: 30) EDU 0114	
0201	Melissa Landa TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 2119	
0301	Megan Callow TuTh 12:30pm - 1:45pm	Seats (Total: 30) ARC 1105	

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

EDCI246 Good Stories: Teaching Narratives for Peace and Justice; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Through the study and use of oral storytelling and digital technologies, explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

0101	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) WDS 1114 WDS 1114	 Lab
0102	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) WDS 1114 WDS 1114	 Lab

EDCI280 **Looking Inside Schools and Classrooms**

EDCI280 Looking Inside Schools and Classrooms; (3 credits) Grade Method: REG.
An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component. Students will be given their lab assignments in class.

0101	Jessica Haddaway Th 2:00pm - 3:50pm Th 8:30am - 11:30am *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 24) EDU 2121 Location: TBA	 Lab

0102	Jessica Haddaway Th 2:00pm - 3:50pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	Lab
	Orientation will be held during the first class/seminar meeting.		
0201	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:30am - 11:30am	Seats (Total: 24) EDU 2121 Location: TBA	Lab
	Orientation will be held during the first class/seminar meeting.		
0202	Lisa Bote Tu 12:30pm - 2:20pm W 12:30pm - 3:30pm	Seats (Total: 6) EDU 2121 Location: TBA	Lab
	Orientation will be held during the first class/seminar meeting.		

EDCI288B **Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age**

EDCI288B Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	June Ahn MW 10:00am - 11:15am	Seats (Total: 60) SQH 1119

EDCI288E **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288E Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tilahun Beyene Contact instructor or department for details.	Seats (Total: 150)

EDCI288O **Special Topics in Teacher Education; Exploring Teaching in America Counts/Reads**

EDCI288O *(PermReq)* **Special Topics in Teacher Education: Exploring Teaching in America Counts/Reads; (1-2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: Application and brief interview. Apply at: www.arac.umd.edu. Four to six hours each week in local elementary school working with children in reading or math through the America Reads*America Counts program. Transportation provided. Class will meet every week.

0101	Alison Barlow, Lanita Sledge	Seats (Total: 20)
	Th 12:30pm - 1:45pm	EDU 3236
	Contact instructor or department for details.	

EDCI297 **Students, Schooling, and Communities**

EDCI297 Students, Schooling, and Communities; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Corequisite: EDCI280.* Facilitates pre-service teachers' initial look at their personal backgrounds and the ways in which they view the world. Exploration of schools, students and their connections to communities. Draws on preservice teachers' concurrent field experiences.

0101	Jessica DeMink-Carthew	Seats (Total: 25)
	MW 9:30am - 10:45am	EDU 2102

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI301 **Teaching Art in the Elementary School**

EDCI301 Teaching Art in the Elementary School; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not be in Secondary Educ: Art program. And must be in Elementary Education program; or must be in the Pre-elementary Education program. Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.

0101	Khara Schonfeld-Karan W 1:00pm - 3:45pm	Seats (Total: 20) EDU 2101

EDCI397 **Principles and Methods of Teaching in Elementary Schools**

EDCI397 *(PermReq)* **Principles and Methods of Teaching in Elementary Schools; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0101	Lisa Bote TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 2121
0201	Lisa Bote TuTh 9:30am - 10:45am	Seats (Total: 28) EDU 2121
0301	Margaret Peterson TuTh 12:30pm - 1:45pm	Seats (Total: 28) EDU 2212

EDCI401 **Student Teaching in Elementary School: Art**

EDCI401 Student Teaching in Elementary School: Art; (4-8 credits) Grade Method: S-F.
Prerequisite: EDCI405. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Art program.

0101	Susan Hendricks Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 18)

EDCI402 **Student Teaching in Secondary Schools: Art**

EDCI402 Student Teaching in Secondary Schools: Art; (2-8 credits) Grade Method: S-F.
Prerequisite: EDCI405. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program; and permission of Teaching and Learning, Policy and Leadership Department. Students must pay a $750.00 lab fee.

0101	Susan Hendricks	Seats (Total: 18)
	Contact instructor or department for details.	

EDCI404 **Student Teaching Seminar: Art Education**

EDCI404 Student Teaching Seminar: Art Education; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI405 and EDCI400. Corequisite: EDCI402 and EDCI401. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Margaret Walker	Seats (Total: 8)
	Tu 4:15pm - 7:00pm	EDU 1315

EDCI405 **Art Education Methods I**

EDCI405 *(PermReq)* **Art Education Methods I; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program. And minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI300 or EDCI405. Formerly: EDCI300. Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

0101	Susan Hendricks	Seats (Total: 25)
	Tu 9:00am - 12:00pm	EDU 1315

EDCI407 **Practicum in Art Education: Three-Dimensional**

EDCI407 Practicum in Art Education: Three-Dimensional; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Secondary Educ: Art program; or must be a Pre-Art Education Major. A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.

0101	Margaret Walker M 9:00am - 12:00pm W 9:00am - 12:00pm	Seats (Total: 25) EDU 1315 EDU 1315

EDCI414 **Interdisciplinary Teaching in the Middle Grades II**

EDCI414 Interdisciplinary Teaching in the Middle Grades II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI360 and EDCI413. Corequisite: EDCI425 and EDCI460. Restriction: Minimum cumulative GPA of 2.5; and must be in the Middle School Teacher Education Program. For prospective middle school teachers. Planning and implementing interdisciplinary instructional practices in middle school. Draws on the context of and experiences in the student teaching placement. Use of technology and incorporation of technology into instruction.

0101	Nancy Tseng W 5:00pm - 7:00pm *Contact instructor for location details*	Seats (Total: 20) Location: TBA
IH60	Janet Walkoe M 4:00pm - 7:00pm *TLPL MCERT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 25) Location: TBA

EDCI417 **Bases for English Language Instruction**

EDCI417 *(PermReq)* **Bases for English Language Instruction; (3 credits)** Grade Method: REG.
Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Examines current theory, research, best practice, curricula and materials focused on the teaching of English language to native and non-native English learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, argument, discourse structure, dialects, edited academic English, English language proficiency (listening, speaking, reading, writing) assessment, and instructional planning. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

0101	James Groff	Seats (Total: 30)
	W 5:00pm - 7:45pm	ASY 3207

EDCI420 **Student Teaching Seminar in Secondary Education: Social Studies**

EDCI420 *(PermReq)* **Student Teaching Seminar in Secondary Education: Social Studies; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI426 and EDCI427. Corequisite: EDCI421 and EDCI422. Restriction: Minimum cumulative GPA of 2.75. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Alison Jovanovic	Seats (Total: 30)
	W 5:00pm - 7:00pm	ASY 3203

EDCI421 **Student Teaching in Secondary Schools: Social Studies/History**

EDCI421 Student Teaching in Secondary Schools: Social Studies/History; (12 credits) Grade Method: S-F.
Prerequisite: Admission to teacher education program. Corequisite: EDCI420. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Social Studies program. Students must pay a $750.00 lab fee.

0101	Alison Jovanovic	Seats (Total: 30)
	Contact instructor or department for details.	

EDCI425 **Equity and Pedagogy**

EDCI425 Equity and Pedagogy; (2 credits) Grade Method: REG/AUD.
Prerequisite: EDCI424. Corequisite: EDCI414 and EDCI460. Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Secondary Educ: Art; Special Education). An exploration and application of major theoretical frameworks surrounding equity and critical pedagogy. Pedagogical decision making that leads to greater equity and improved student learning for all students. Draws on the concurrent student teaching experience.

0101	Kristin Sinclair Tu 5:00pm - 7:00pm *Contact instructor for location details*	Seats (Total: 20) Location: TBA

EDCI430 **Student Teaching Seminar in Secondary Education: World Language**

EDCI430 Student Teaching Seminar in Secondary Education: Foreign Language; (1 credit) Grade Method: REG.
Prerequisite: EDCI410 and EDCI433. Corequisite: EDCI431 and EDCI474. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. An analysis of teaching theory, strategies and techniques in the internship experience.

0101	Perla Blejer W 4:30pm - 6:30pm	Seats (Total: 12) ASY 3217

EDCI431 **Teaching Internship in Secondary Schools: World Language**

EDCI431 Teaching Internship in Secondary Schools: Foreign Language; (12 credits) Grade Method: S-F.
Prerequisite: EDCI410 and EDCI433. Corequisite: EDCI430 and EDCI474. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Foreign Languages program. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Additional information: Internship lab fee applies. See current program description for details. Practical experience as a full-time intern with a fully licensed foreign language teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Students must pay a $750.00 lab fee.

0101	Perla Blejer	Seats (Total: 12)
	Contact instructor or department for details.	

EDCI434 **Pedagogy of Teaching English Language Learners**

EDCI434 Pedagogy of Teaching English Language Learners; (3 credits) Grade Method: REG.
A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar translation and audiolingual to communicative and task-based approaches will be presented. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Students will have the opportunity to discuss, probe and apply theories and principles to hands-on teaching practices in real-life settings. Digital technologies that assist teaching English language learners (ELLs) will be emphasized as well.

0101	Kellie Rolstad	Seats (Total: 24)
	MW 2:00pm - 3:15pm	EDU 2212

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG/AUD. GenEd: Diversity - Cultural Competency.
Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T. Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Rashi Jain	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SQH 1101

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

EDCI437 English Grammar Pedagogy for Teachers of English Language Learners; (3 credits) Grade Method: REG.
Credit only granted for: EDCI437 or EDCI488P. Formerly: EDCI488P. Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

0101	Denis Sullivan	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EDU 2101

EDCI440 **Internship Seminar in Secondary Education: English**

EDCI440 Internship Seminar in Secondary Education: English; (1 credit) Grade Method: S-F.
Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI441 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. A review and analysis of current instructional theories, strategies and best practice in relation to the teaching internship. Meets at area high school; location provided before first meeting. Meets at Eleanor Roosevelt High School. Contact the EDCI department for more information.

0101	Peggy Wilson	Seats (Total: 35)
	M 6:15pm - 7:15pm	Location: TBA

EDCI441 **Internship in Secondary Schools: English**

EDCI441 Internship in Secondary Schools: English; (12 credits) Grade Method: S-F.
Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI440 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Practical experience as a full-time intern with a fully licensed English teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details. Students must pay a $750.00 lab fee.

0101	Peggy Wilson Contact instructor or department for details.	Seats (Total: 25)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Elementary Education program; or must be a Pre-Education Major. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Melissa Landa TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 2119
0201	Lisa Swan TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 3233

EDCI450 **Internship Seminar in Secondary Education: Mathematics**

EDCI450 Internship Seminar in Secondary Education: Mathematics; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI457 and EDCI455. Corequisite: EDCI451 and EDCI474. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Strategies and techniques in the internship experience. Structured work on teaching portfolio (requirement for graduation and certification). Place, day, and time to be arranged. Meets at Roosevelt High School. Day and time to be arranged.

0101	John Seelke	Seats (Total: 10)
	Tu 7:00pm - 9:00pm	EDU 2101

EDCI451 **Student Teaching in Secondary Schools: Mathematics**

EDCI451 Student Teaching in Secondary Schools: Mathematics; (12 credits) Grade Method: S-F.
Corequisite: EDCI450. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Mathematics program. Students must pay a $750.00 lab fee.

0201	John Seelke	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI460 **Student Teaching: Middle School**

EDCI460 Student Teaching: Middle School; (12 credits) Grade Method: S-F.
Prerequisite: EDCI413. Corequisite: EDCI414 and EDCI425. Restriction: Minimum cumulative GPA of 2.5; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and for Middle School Education majors only. A Middle-school student teaching experience in two content areas. Students must pay a $750.00 lab fee.

0101	Stacy Pritchett	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits) Grade Method: REG.
Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0101	Rose Codling MW 11:15am - 12:30pm	Seats (Total: 25) EDU 3233
0201	Loretta Holmberg-Masden TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0301	Rose Codling MW 9:30am - 10:45am	Seats (Total: 25) EDU 2119

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

EDCI462 Materials and Instruction for Creating Skilled and Motivated Readers, Part II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397 and EDCI461. Corequisite: EDCI352, EDCI342, EDCI372, and EDCI322. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.

IH60	Karen Zappone Th 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to program participants.	

EDCI463 **Reading in the Secondary School**

EDCI463 Reading in the Secondary School; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Margaret Jenkins TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 2212
0201	Mariam Dreher MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 2121

EDCI464 **Assessment for Reading**

EDCI464 Assessment for Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI362. Restriction: Senior standing. And must be in Elementary Education program; or must be in Early Childhood Education program. Examination of reading assessment theory, materials and procedures; Topics include validity and reliability in reading assessment, formal and informal assessment, reading instruction that is informed by ongoing assessment, and the effects of assessment on students and schooling in a diverse society.

0101	Rose Codling W 4:15pm - 7:00pm *For Team 1 Interns.*	Seats (Total: 32) EDU 1121
0201	Peter Afflerbach W 4:15pm - 7:00pm *For Team 3 Interns.*	Seats (Total: 32) EDU 2119
0301	Alison Volski M 4:15pm - 7:00pm *For Team 2 Interns.*	Seats (Total: 32) ASY 3219

0501	Elynn Lewis	Seats (Total: 32)
	Th 4:15pm - 7:00pm	EDU 2119
	Restricted to Early Childhood Students Only.	

EDCI466 **Literature for Adolescents**

EDCI466 *(PermReq)* **Literature for Adolescents; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Thor Gibbins	Seats (Total: 30)
	M 5:00pm - 7:45pm	TWS 0221

EDCI471 **Internship in Secondary Schools: Science**

EDCI471 Internship in Secondary Schools: Science; (12 credits) Grade Method: S-F.
Prerequisite: EDCI470. Corequisite: EDCI480 and EDCI474. Restriction: Must be in Secondary Educ: Science program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Practical experience as a full-time intern with a fully licensed science teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details. Students must pay a $750.00 lab fee.

0101	Tranae Johnson	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI474 **Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education**

EDCI474 Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: Enrolled in internship/certification area. Restriction: Must be in one of the following programs (Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Multi-disciplinary capstone course for Secondary Education majors. Discussion of pedagogical and content issues relevant for teaching academically, culturally, and linguistically diverse students with particular emphasis on students with special educational needs and English language learners. Students develop and use curriculum-based assessments and/or lessons with these groups of students.

0101	Leslie Page-Voth, Daisy Fredricks Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2111
0201	Daisy Fredricks, Leslie Page-Voth Tu 5:00pm - 6:50pm	Seats (Total: 30) TYD 2110

EDCI475 **Embracing Diversity in the Classroom Community**

EDCI475 *(PermReq)* **Embracing Diversity in the Classroom Community; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Admission to teacher education program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI475 or EDCI488L. Formerly: EDCI488L. An exploration of the richness and complexity of student diversity that teacher candidates will encounter in K-12 classrooms. Students will engage in critical reflection around diversity and equity issues.

0101	Victoria MacDonald M 4:15pm - 7:00pm	Seats (Total: 25) EDU 2101

EDCI480 **Practices in Secondary School Science Teaching**

EDCI480 Practices in Secondary School Science Teaching; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI470. Corequisite: EDCI471 and EDCI474. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Science program. Or minimum cumulative GPA of 2.75. Credit only granted for: EDCI480 or EDCI488J. Formerly: EDCI488J. Analyses of student thinking, instructional interpretations, strategies, and techniques in the teaching internship. Location to be announced and will occur in a local school.

0101	Tranae Johnson	Seats (Total: 10)
	W 4:15pm - 6:15pm	EDU 2101

EDCI481 **Student Teaching: Elementary**

EDCI481 Student Teaching: Elementary; (12 credits) Grade Method: S-F.
Prerequisite: EDCI352, EDCI362, EDCI342, EDCI372, and EDCI322. Corequisite: EDCI464. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program; and minimum cumulative GPA of 2.75. Limited to elementary majors who have previously applied. Students must pay a $750.00 lab fee.

0101	Leslie Gettier	Seats (Total: 82)
	W 2:00pm - 4:00pm	Location: TBA
	Contact instructor or department for details.	

EDCI488D **Selected Topics in Teacher Education; Mathematics and Science Education: Theory and Practice for Learning Assistants**

EDCI488D Selected Topics in Teacher Education: Mathematics and Science Education: Theory and Practice for Learning Assistants; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Chandra Turpen	Seats (Total: 18)
	W 5:00pm - 7:45pm	EDU 2212

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI600 **Trends in Art Education Curriculum**

EDCI600 Trends in Art Education Curriculum; (3 credits) Grade Method: REG/AUD.
Recent developments in art education.

IH60	Susan Hendricks	Seats (Total: 25)
	Tu 4:30pm - 7:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI606 **Learning and Teaching Biological Sciences**

EDCI606 Learning and Teaching Biological Sciences; (3 credits) Grade Method: REG/AUD.
Restriction: Enrollment in an EDCI Outreach Program in science education; or must be in Curriculum and Instruction (Master's) program; or permission of instructor.
Engagement in laboratory and inquiry-based methods to develop coherent understandings about the natural world and explore issues learning in biology. Personal engagement with phenomena and reflection on the learning and instructional experiences.

IH10	Daniel Levin	Seats (Total: 23)
	Meets January 7, 2014 - June 3, 2014	
	Tu 5:00pm - 8:00pm	Location: TBA
	TLPL STEM Program Outreach Offering. Course registration is restricted to program participants.	

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 Studying Student Learning in Diverse Settings; (3 credits) Grade Method: REG/AUD.
This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IH33	Maria Hyler **Meets January 27, 2014 - May 13, 2014** W 5:30pm - 8:30pm	Seats (Total: 17) Location: TBA
	TLPL MSMaRT Program Outreach Offering. Registration restricted to program participants.	
IH60	Katy Swalwell W 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to program participants.	
IH61	Alice Cook W 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to program participants.	

EDCI613 **Practice and Theory in Teaching Second Language Learners**

EDCI613 Practice and Theory in Teaching Second Language Learners; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCI637 or EDCI689; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI613 or EDCI688B. Formerly: EDCI688B. Focuses on issues that arise while teaching second language (ESOL or foreign language) learners. Supports implementation of theory into practice and research-based best practices during teaching internship, and completion of teaching portfolio during a second field experience.

0101	Megan Peercy M 5:00pm - 7:45pm	Seats (Total: 10) Location: TBA
IH60	Megan Peercy M 5:00pm - 7:45pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI620 **Trends in Secondary School Curriculum: Social Studies**

EDCI620 Trends in Secondary School Curriculum: Social Studies; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in social studies.

IH60	Catherine McCall Tu 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI622 **Teaching Social Studies in Elementary Schools**

EDCI622 Teaching Social Studies in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

IH60	Lisa Eaker Th 2:00pm - 5:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI625 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI625 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits) Grade Method: REG.
Provides middle and secondary education students with an understanding of the interactive nature of the reading process, the use of research-based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

0101	Ying Alice Zhang Tu 5:30pm - 8:00pm	Seats (Total: 15) EDU 0202
IH60	Ayanna Baccus Class time/details on ELMs	Seats (Total: 25) ONLINE
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

IH62	Ying Alice Zhang Tu 5:30pm - 8:00pm *TLPL MCERT/CCLTCD Program Outreach Offering. Restricted to program participants.*	Seats (Total: 1) Location: TBA

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits) Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

0101	Ebony Shockley M 5:00pm - 7:45pm Class time/details on ELMs	Seats (Total: 25) ASY 3211 ONLINE

EDCI632 **Special Education and Oral Language Development in TESOL**

EDCI632 Special Education and Oral Language Development in TESOL; (3 credits) Grade Method: REG.
Credit only granted for: EDCI632 or EDCI788L. Formerly: EDCI788L. Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

0101	Roberta Lavine Th 5:00pm - 7:45pm *For EDCI majors only.*	Seats (Total: 30) Location: TBA
IH60	Roberta Lavine Th 5:00pm - 7:45pm *TLPL MCERT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 25) Location: TBA

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods. Some sessions will be conducted online.

0101	Rashi Jain	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	SQH 1101

EDCI637 **Internship in World Language/TESOL Education**

EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits) Grade Method: REG/AUD.
Prerequisite: EDCI434 and EDCI634; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Supervised internship in TESOL setting.

0101	Daisy Fredricks	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

EDCI638 Teaching ESOL Reading and Writing in Secondary Content Areas; (3 credits) Grade Method: REG/AUD.
This course will be offered as a hybrid meeting face-to-face every other week and online work in the intervening weeks.

0101	Drew Fagan	Seats (Total: 25)
	Tu 5:00pm - 7:45pm	ASY 3219

EDCI643 **Teaching Language Arts in Elementary Schools**

EDCI643 Teaching Language Arts in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Analysis of current issues, trends, and problems in language-arts instruction.

IH21	Jo Smallwood, Kathryn Williams **Meets January 9, 2014 - April 24, 2014** Th 5:00pm - 8:00pm *TLPL CITE Program Outreach Offering. Course registration restricted to program participants.*	Seats (Total: 14) Location: TBA

EDCI654 **Assessing Mathematical Understanding**

EDCI654 Assessing Mathematical Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI650; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Techniques of assessing k-12 students' understanding of mathematics - including standardized tests, but focusing on alternative forms such as individual interviews, writing tasks, performance tasks, portfolios. Mathematics assessment viewed as an ongoing part of instruction.

0101	Richard Hollenbeck W 4:15pm - 7:00pm *Contact instructor for course location and course meeting dates.*	Seats (Total: 20) Location: TBA
IH30	Richard Hollenbeck **Meets January 8, 2014 - April 23, 2014** W 4:30pm - 7:30pm *Registration to program participants. Department permission required.*	Seats (Total: 20) Location: TBA

EDCI661 **Content Area Reading**

EDCI661 Content Area Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department. Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Peter Afflerbach M 4:15pm - 7:00pm	Seats (Total: 20) EDU 0114

EDCI665 **Clinical Instruction in Reading**

EDCI665 Clinical Instruction in Reading; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI664; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Clinical procedures and materials for reading instruction. For reading majors only.

0101	Ayanna Baccus	Seats (Total: 15)
	Tu 4:15pm - 7:00pm	PLS 1176

EDCI666 **Leadership in Schoolwide Reading Program**

EDCI666 Leadership in Schoolwide Reading Program; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Preparation of reading personnel to function as resource persons to classroom teachers, administrators and the school community.

IH20	Mariam Dreher	Seats (Total: 18)
	Tu 4:30pm - 7:15pm	Location: TBA
	Reading Specialist Outreach Program Offering. Restricted to program participants.	

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Examines current theory, research, best practice, curricula and materials for teaching written communication in middle and secondary schools in order to survey, review and select formal and informal assessments and diagnostic strategies useful for writing teachers. Focuses on validity and reliability issues. Includes instructional planning and development of instructional materials for implementing appropriate individual, small-group and large-group instruction. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

IH60	Kathleen Travers	Seats (Total: 25)
	Tu 5:30pm - 8:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI676 **Reflection and Practice in Secondary School Science Teaching**

EDCI676 Reflection and Practice in Secondary School Science Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI675; or permission of instructor. Restriction: Must be in the Maryland Master's Certification program. Use of classroom videotape and student work as data for teachers to analyze their students' thinking and discuss instructional interpretation, strategies, and techniques in the specific contexts of their classes.

IH60	Daniel Levin	Seats (Total: 25)
	M 5:30pm - 8:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI685 **Research Methods**

EDCI685 Research Methods; (3 credits) Grade Method: REG.
The interpretation and conduct of research in curriculum and instruction.

0101	Wayne Slater	Seats (Total: 25)
	Th 5:00pm - 7:45pm	EDU 0212

EDCI687 **Applications of Computers in Instructional Settings**

EDCI687 Applications of Computers in Instructional Settings; (3 credits) Grade Method: REG/AUD.
Review and analysis of instructional software and computer-based learning environments from the standpoint of teaching, learning, and design theories. Integration of instructional and tool software into classroom settings.

0101	Tamara Clegg	Seats (Total: 15)
	Tu 4:15pm - 7:00pm Class time/details on ELMs	EDU 2212 ONLINE

EDCI688M **Special Topics in Curriculum and Instruction; Mathematics in the Secondary Classroom**

EDCI688M Special Topics in Curriculum and Instruction: Mathematics in the Secondary Classroom; (3 credits) Grade Method: REG/AUD.

IH60	Dana Grosser-Clarkson	Seats (Total: 25)
	M 5:30pm - 8:30pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI688W **Special Topics in Curriculum and Instruction; Foundations in Arts Integration**

EDCI688W Special Topics in Curriculum and Instruction: Foundations in Arts Integration; (3 credits) Grade Method: REG/AUD.

0101	Susan Denvir, Linda Krakaur Th 4:30pm - 7:15pm	Seats (Total: 20) EDU 1315
IH16	Linda Krakaur, Susan Denvir Th 4:30pm - 7:15pm	Seats (Total: 16) EDU 1315

EDCI689 **Teaching Internship**

EDCI689 Teaching Internship; (1-9 credits) Grade Method: REG/AUD.
Student lab fee may apply. Contact program for details.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 5)
CE01	Karen Rehder **Meets January 28, 2014 - May 14, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 25)
CE02	Susan Hendricks **Meets January 27, 2014 - May 13, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 25)
CE03	Peggy Wilson **Meets January 27, 2014 - May 16, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 20)
CE04	Perla Blejer Contact instructor or department for details.	Seats (Total: 25)

CE05	John Seelke **Meets January 27, 2014 - May 16, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE06	Tranae Johnson **Meets January 27, 2014 - May 16, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE07	Catherine McCall **Meets January 27, 2014 - May 16, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 20)
CE08	Daisy Fredricks **Meets January 27, 2014 - May 16, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
CE09	Stacy Pritchett **Meets January 27, 2014 - May 16, 2014** Contact instructor or department for details. *EDCI MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
IH21	Jo Smallwood **Meets January 8, 2014 - April 30, 2014** W 1:30pm - 5:00pm *TLPL CITE Program Outreach Offering. Course registration restricted to program participants.*	Seats (Total: 14) Location: TBA
IS11	Ebony Shockley Th 5:30pm - 8:30pm *TLPL MSMaRT Program Outreach Offering. Registration restricted to program participants.*	Seats (Total: 17) Location: TBA

EDCI698 Conducting Research on Teaching

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.
EDCI OUtreach mission of department.

0101	Linda Valli Tu 4:30pm - 7:15pm	Seats (Total: 10) EDU 2212A
IH21	Linda Valli **Meets January 15, 2014 - May 7, 2014** W 5:00pm - 8:00pm	Seats (Total: 14) Location: TBA
	EDCI MCERT Program Outreach Offering. Course registration restricted to program participants.	
IH30	Kara Trenkamp **Meets April 23, 2014 - May 14, 2014** Class time/details on ELMs	Seats (Total: 0) ONLINE
	TLPL M.Ed. MATH Outreach Program. Registration restricted to program participants.	
IH60	Wayne Slater Tu 4:30pm - 7:45pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	
IH61	Kathleen Travers Sa 9:00am - 1:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	
IH62	James McGinnis Sa 9:00am - 1:00pm	Seats (Total: 25) Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	
IH63	Saroja Barnes Sa 9:00am - 1:00pm	Seats (Total: 25) TYD 2111
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	
IH64	Sara Makris Sa 9:00am - 1:00pm	Seats (Total: 25) JMZ 2207
	TLPL MCERT Program Outreach Offering. Registration restricted to progra participants.	

EDCI698A **Conducting Research on Teaching**

EDCI698A Conducting Research on Teaching; (1 credit) Grade Method: REG.

IH30	Linda Valli	Seats (Total: 5)
	Meets January 14, 2014 - May 7, 2014	
	Class time/details on ELMs	ONLINE
	Middle School Math- PGCPS Outreach Program. Registration restricted to program participants.	

EDCI730 **Language and Education**

EDCI730 Language and Education; (3 credits) Grade Method: REG/AUD. Dialect, language varieties in school settings; historical and current perspectives on the role of language in learning; theories of school achievement and consequences for language assessment.

0101	Jeff MacSwan	Seats (Total: 20)
	W 12:30pm - 3:15pm	EDU 2119

EDCI732 **Second Language Acquisition**

EDCI732 Second Language Acquisition; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.* Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).

IH60	Kellie Rolstad	Seats (Total: 25)
	W 4:00pm - 6:45pm	Location: TBA
	TLPL MCERT Program Outreach Offering. Registration restricted to program participants.	

EDCI752 **Foundations of Mathematics Education II: Theory and Research on Mathematics Teaching**

EDCI752 Foundations of Mathematics Education II: Theory and Research on Mathematics Teaching; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI751; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Knowledge of and insights into how mathematics has been and is being taught; theories about how it might be taught. Familiarity with the methods used to do research on teaching and to improve teaching.

0101	Karen King M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Daniel Chazan F 9:00am - 11:00am	Seats (Total: 15) EDU 2121

EDCI770 **Foundations of Science Education**

EDCI770 Foundations of Science Education; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI670 or EDCI671; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Development of science education; pre-kindergarten through college; the influences on current and future practices; and the identification and critical analysis of topics in science education.

0101	Diane Ketelhut M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2212

EDCI776 **Urban Education**

EDCI776 Urban Education; (3 credits) Grade Method: REG/AUD.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Tara Brown W 4:15pm - 7:00pm	Seats (Total: 30) EDU 3233

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788Q **Selected Topics in Teacher Education; Theories of Learning and Leadership with Technology**

EDCI788Q Selected Topics in Teacher Education: Theories of Learning and Leadership with Technology; (3 credits) Grade Method: REG/AUD.

0101	Tamara Clegg Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2121

EDCI790 **Epistemological Bases of Education Research**

EDCI790 Epistemological Bases of Education Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI780. A course on research theory, method, and design issues for doctoral students. Focuses on conceptual and theoretical understanding of methodology, the broad rand of both qualitative and quantitative methodologies, and underlying epistemologies as they apply to the study of schools, curriculum, teaching, and teacher education.

0101	Andrew Brantlinger Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 2121

EDCI792 **Qualitative Research II: Analysis and Interpretation of Data**

EDCI792 Qualitative Research II: Analysis and Interpretation of Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI791. Credit only granted for: EDCI692 or EDCI792. Formerly: EDCI692. Uses data collected in EDCI791 to consider methods oof on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students will read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

0101	Tirza Wilbon White Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI798B **Special Problems in Teacher Education; Revisioning Teacher Education**

EDCI798B Special Problems in Teacher Education: Revisioning Teacher Education; (1-3 credits) Grade Method: REG/AUD.
Meets 1st Wednesday of each month (Feb-May, 2012).

0101	David Imig, Linda Valli	Seats (Total: 15)
	W 11:15am - 2:50pm	EDU 2212A

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG/AUD.

0101	Patricia Campbell	Seats (Total: 15)
	F 11:00am - 1:00pm	EDU 2121
	Contact instructor or department for details.	

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Spring 2014

EDCP108B **College and Career Advancement: Concepts and Skills; Learning Strategies**

EDCP108B College and Career Advancement: Concepts and Skills: Learning Strategies; (1 credit) Grade Method: REG/P-F/AUD.

0101	Beverly Greenfeig **Meets March 13, 2014 - May 8, 2014** Th 2:00pm - 3:50pm	Seats (Total: 20) ARC 1125
0201	Shirley Browner Th 2:00pm - 3:20pm	Seats (Total: 20) ASY 3221
0301	Shirley Browner **Meets March 10, 2014 - May 12, 2014** M 2:00pm - 3:50pm	Seats (Total: 20) ASY 3221
0401	Beverly Greenfeig M 3:00pm - 4:20pm	Seats (Total: 20) SQH 1105
0501	Marcia Marinelli Contact instructor or department for details. *A hybrid version of EDCP108B for students who are not able to attend the face-to-face class. There will be three group meetings throughout the semester and scheduled around the students' schedules. For more information, contact the course instructor by email at marcym@umd.edu.*	Seats (Total: 25)

EDCP108C **College and Career Advancement: Concepts and Skills; Career Clarification: Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Career Clarification: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major; juniors by permission of instructor. All sections of EDCP108, except EDCP108D, EDCP108J and EDCP108R are closed to Seniors.

0101	Theodore Pickett **Meets February 5, 2014 - April 16, 2014** Tu 10:00am - 11:50am	Seats (Total: 20) EDU 1210B
0201	Pepper Phillips **Meets February 8, 2014 - April 18, 2014** F 10:00am - 11:50am	Seats (Total: 20) EDU 2102

EDCP108G **College and Career Advancement: Concepts and Skills; Transfer Students in the University**

EDCP108G College and Career Advancement: Concepts and Skills: Transfer Students in the University; (1 credit) Grade Method: REG/P-F/AUD.
For transfer students.

0101	Barbara Goldberg **Meets January 30, 2014 - April 24, 2014** Th 12:30pm - 2:00pm	Seats (Total: 25) EDU 3233

EDCP108I **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

EDCP108I College and Career Advancement: Concepts and Skills: Academic Transitions to Internships; (1 credit) Grade Method: REG/P-F/AUD.

0101	Duane Wallace **Meets January 31, 2014 - April 10, 2014** Th 11:00am - 12:15pm *Restricted to students in Easton, Elkton, Oakland, and Denton Halls as ppart of the Syn*Quest Collaborative. Please direct questions to synquest@umd.edu.*	Seats (Total: 25) OAK 0318

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/AUD.
For students with Junior standing or above (or Sophomores, with permission of instructor) who are interested in learning about strategies for landing internships or full-time employment and being successful in their careers.

0101	Kara Kehoe **Meets February 5, 2014 - April 16, 2014** W 1:00pm - 2:15pm	Seats (Total: 50) HBK 3134
0201	Kara Kehoe **Meets February 5, 2014 - April 16, 2014** W 10:00am - 11:15am	Seats (Total: 50) HBK 3134
0301	Alison Barlow **Meets February 4, 2014 - April 15, 2014** Tu 12:00pm - 1:15pm	Seats (Total: 25) HBK 3134
0401	Claire Jacobson **Meets February 6, 2014 - April 3, 2014** Th 10:30am - 12:00pm	Seats (Total: 25) HBK 3134

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Freshman standing; or sophomore standing. Credit only granted for: EDCP217 or EDCP317. Formerly: EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $30.00 materials fee.

0101	Meredith Laurie TuTh 12:30pm - 1:45pm	Seats (Total: 25) PLS 1117
0201	Tyler McClenithan, Rose Jackson TuTh 2:00pm - 3:15pm	Seats (Total: 25) ARM 0119
0301	Neal McKinney, Damani White-Lewis MW 11:00am - 12:15pm	Seats (Total: 25) EDU 3315

0401	Lisa Alexander TuTh 12:30pm - 1:45pm	Seats (Total: 20) OAK 0204
	*Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.*	
0501	Edward Bempong MW 3:30pm - 4:45pm	Seats (Total: 20) OAK 0318
	*Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.*	

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	Na-Yeun Choi MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2119
0201	Katherine Ross MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2102

EDCP298 **Special Problems in Counseling and Personnel Services**
Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG/P-F/AUD.
The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Meghan Green TuTh 2:00pm - 3:15pm	Seats (Total: 25) TLF 1101
0201	Alisa Williams MW 11:00am - 12:15pm	Seats (Total: 25) SQH 2119
0301	Lynsey Weston MW 11:00am - 12:15pm	Seats (Total: 25) HBK 1108
0401	Jessica Albrecht MW 9:30am - 10:45am	Seats (Total: 25) EDU 3233
0501	Marylee Morrison MW 2:00pm - 3:15pm	Seats (Total: 25) EDU 0114
0601	Amy Fuhrmann TuTh 2:00pm - 3:15pm	Seats (Total: 25) KNI 1105

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts. Students must pay a $35.00 materials fee.

0101	Melissa Rocco MW 12:30pm - 1:45pm	Seats (Total: 25) EDU 0114
0201	Stephanie Chang TuTh 2:00pm - 3:15pm	Seats (Total: 25) LEF 1201
0301	Stephanie Chang TuTh 3:30pm - 4:45pm	Seats (Total: 25) LEF 1201
0401	Courtney Holder, Dave Dessauer MW 11:00am - 12:15pm *Restricted to students admitted to the Minor in Leadership Studies. Ema l lsm-advise@umd.edu for permission to enroll.*	Seats (Total: 20) TYD 0111

EDCP318D **Applied Contextual Leadership; Greek Leadership**

EDCP318D *(PermReq)* **Applied Contextual Leadership: Greek Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Open only to members of fraternity and sorority organizations recognized by the Department of Fraternity and Sorority Life. Offered to sophomores and/or juniors who currently hold an officer/ leadership position in their chapter. Designed to assist mid- to upper-level leaders of fraternities and sororities in gaining competencies and proficiency in leading an organization. Both small and large group discussions will be incorporated around the topics of individual leadership philosophy, working in teams, enacting organizational change and their application within the fraternity and sorority communities. Contact Brian Golden at brgolden@umd.edu for permission to enroll.

0101	Brian Golden	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SPH 0302

EDCP318E **Applied Contextual Leadership; Leadership for Peer Assisted Learning**

EDCP318E *(PermReq)* **Applied Contextual Leadership: Leadership for Peer Assisted Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students selected to participate as Peer Mentors with the Learning Assistance Service of the Counseling Center. Click here for more information.

0101	Paola Hernandez	Seats (Total: 20)
	Tu 5:00pm - 6:45pm	SQH 1107
	Contact instructor or department for details.	

EDCP318G **Applied Contextual Leadership; Greek Presidents Class**

EDCP318G *(PermReq)* **Applied Contextual Leadership: Greek Presidents Class; (3 credits)** Grade Method: REG/P-F/AUD.
Course restricted to Fraternity and Sorority Presidents. For permission, please contact Corin Gioia Edwards at cgioia@umd.edu

0101	Corin Edwards	Seats (Total: 55)
	W 3:30pm - 6:30pm	KEY 1117

EDCP318M **Applied Contextual Leadership; Leadership and Education**

EDCP318M *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

0101	Patricia Garcia, Douglas Welcome M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 25) EDU 0202

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students selected to participate in the Guided Study Session program through the Learning Assistance Serve of the Counseling Center.

0101	Yanira Ortiz W 5:00pm - 6:15pm Contact instructor or department for details.	Seats (Total: 10) KEY 0119
0201	Yanira Ortiz Th 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 20) KEY 0120

EDCP318O **Applied Contextual Leadership; Orientation Leader**

EDCP318O *(PermReq)* **Applied Contextual Leadership: Orientation Leader; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Stephen Roche, Lauren Norris W 5:30pm - 8:00pm	Seats (Total: 25) COL 0101

EDCP318P **Applied Contextual Leadership; Leadership through Coaching**

EDCP318P Applied Contextual Leadership: Leadership through Coaching; (3 credits) Grade Method: REG/P-F/AUD.
This class will explore the role of coaching in the development of leaders. Students will identify individual leadership strengths and will determine how those strengths can be utilized through their own interactions with others. Exploration of coaching styles and techniques including mentoring relationships and the application of those to group and team development will be discussed.

0101	Terry Zacker	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	HBK 0109

EDCP318R **Applied Contextual Leadership; Foundations and Applications of Challenge Course Theory and Instruction**

EDCP318R *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Challenge Course Theory and Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information. Click here for more information.

0101	Michael Phaneuf	Seats (Total: 20)
	W 6:00pm - 9:00pm	Location: TBA

EDCP318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

EDCP318T *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Adventure Leadership Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Required course to become an Adventure Trip Leader for the Maryland Adventure Program. Contact Amanda Even to arrange an interview: ameven@umd.edu. This is a leadership training course for individuals who are interested in leading groups in an outdoor adventure setting. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

0101	Amanda Even	Seats (Total: 15)
	W 6:00pm - 9:00pm	ERC 0140

EDCP318Z **Applied Contextual Leadership; Socially Responsible Leadership and Internship**

EDCP318Z *(PermReq)* **Applied Contextual Leadership: Socially Responsible Leadership and Internship; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students selected to participate in the Work 4 Change program, connecting students with internships in community agencies to theories of socially responsible leadership. Students will be assisted in locating internship opportunities. Contact instructor for more information.

0101	Deborah Slosberg Tu 3:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 20) ASY 3219

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and junior standing or higher. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 *(PermReq)* **Advanced Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCP217; or students who have taken courses with comparable content may contact the department. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized. Prerequisite: EDCP217 or EDCP315. Permission of instructor.

0101	Craig Slack, Melissa Rocco F 9:00am - 11:45am	Seats (Total: 20) EDU 0202

EDCP418 **Special Topics in Leadership; Special Topics in Leadership**

EDCP418 Special Topics in Leadership: Special Topics in Leadership; (3 credits) Grade Method: REG/P-F/AUD.

IH14	Debra Luecking, Ellen Fabian **Meets January 13, 2014 - February 28, 2014** Class time/details on ELMs *EDCP Outreach Program Offering. Course registration is restricted to program participants.*	Seats (Total: 15) ONLINE

EDCP418B **Special Topics in Leadership; Black Student Leadership**

EDCP418B Special Topics in Leadership: Black Student Leadership; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Brandon Dula TuTh 2:00pm - 3:15pm	Seats (Total: 20) EDU 2101

EDCP418C **Special Topics in Leadership; Latino Leadership**

EDCP418C Special Topics in Leadership: Latino Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Yvette Lerma Th 2:00pm - 4:45pm	Seats (Total: 20) TYD 1114

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Also offered as JWST419L.

0101	Ari Israel Th 2:00pm - 4:45pm	Seats (Total: 35) TYD 1101

EDCP418G **Special Topics in Leadership; Women's Leadership**

EDCP418G Special Topics in Leadership: Women's Leadership; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Marsha Guenzler-Stevens Tu 2:00pm - 5:00pm	Seats (Total: 20) TWS 1106

EDCP418I **Special Topics in Leadership; LGBT Leadership**

EDCP418I Special Topics in Leadership: LGBT Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Fiona Jardine	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KEY 0119

EDCP418J **Special Topics in Leadership; Now What? Composing a Life of Meaning and Purpose**

EDCP418J *(PermReq)* **Special Topics in Leadership: Now What? Composing a Life of Meaning and Purpose; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Barbara Jacoby	Seats (Total: 15)
	Tu 2:00pm - 4:45pm	JMZ 0122

EDCP418K **Special Topics in Leadership; Leadership and Intersecting Identities: Stories of the Multi racial/ethnic/cultural Experience**

EDCP418K Special Topics in Leadership: Leadership and Intersecting Identities: Stories of the Multi racial/ethnic/cultural Experience; (3 credits) Grade Method: REG/P-F/AUD.
Students will be offered the opportunity to explore leadership in connection with multi racial ethnic/cultural identities and/experiences utilizing an interdisciplinary narrative approach (i.e. storytelling). Topics will include: leadership theories & styles, interracial/cultural relationships, transracial & transnational adoption, the multi family, media representations of multi individuals and families, the multiracial movement & academia, the history of racialization in the U.S., racial identity development, processes of "othering," acceptance and the politics of claiming, and passing & accenting.

0101	Naliyah Kaya	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ASY 3221

EDCP462 **Disability in American Society**

EDCP462 Disability in American Society; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Restriction: Must have earned a minimum of 30 credits; and sophomore standing or higher. Critical examination of the history of discrimination and analysis of current policies toward people with severe physical and mental disabilities.

0101	Monica Simonsen W 9:00am - 12:00pm	Seats (Total: 20) EDU 0206	

EDCP470 **Introduction to Student Personnel**

EDCP470 *(PermReq)* **Introduction to Student Personnel; (3 credits)** Grade Method: REG.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. A systematic analysis of research and theoretical literature on a variety of major problems in the organization and administration of student personnel services in higher education. Included will be discussion of such topics as the student personnel philosophy in education, counseling services, discipline, housing, student activities, financial aid, health, remedial services, etc. Please contact Angela Jackson to get permission; ajackso6@umd.edu.

0101	Angela Jackson M 4:00pm - 5:15pm Tu 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0102	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 OAK 0315	Discussion
0103	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 ANN 1108A	Discussion
0104	Angela Jackson M 4:00pm - 5:15pm Tu 4:30pm - 6:00pm	Seats (Total: 9) SQH 1120 SCC7 7106	Discussion
0105	Angela Jackson M 4:00pm - 5:15pm W 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion

0106	Angela Jackson M 4:00pm - 5:15pm W 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 CCC 1200	Discussion
0107	Angela Jackson M 4:00pm - 5:15pm W 4:30pm - 6:00pm	Seats (Total: 9) SQH 1120 ANN 1108A	Discussion
0108	Angela Jackson M 4:00pm - 5:15pm Th 3:30pm - 5:00pm	Seats (Total: 9) SQH 1120 OAK 0311	Discussion
0109	Angela Jackson M 4:00pm - 5:15pm Th 4:00pm - 5:30pm	Seats (Total: 9) SQH 1120 CCC 1115	Discussion
0201	Angela Jackson M 5:30pm - 6:45pm Tu 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0202	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 OAK 0315	Discussion
0203	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 ANN 1108A	Discussion
0204	Angela Jackson M 5:30pm - 6:45pm Tu 4:30pm - 6:00pm	Seats (Total: 10) SQH 1120 SCC7 7106	Discussion
0205	Angela Jackson M 5:30pm - 6:45pm W 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	Discussion
0206	Angela Jackson M 5:30pm - 6:45pm W 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 CCC 1205	Discussion

0207	Angela Jackson M 5:30pm - 6:45pm W 4:30pm - 6:00pm	Seats (Total: 10) SQH 1120 ANN 1108A	 Discussion
0208	Angela Jackson M 5:30pm - 6:45pm Th 3:30pm - 5:00pm	Seats (Total: 10) SQH 1120 OAK 0311	 Discussion
0209	Angela Jackson M 5:30pm - 6:45pm Th 4:00pm - 5:30pm	Seats (Total: 10) SQH 1120 CCC 1115	 Discussion
0301	Angela Jackson Contact instructor or department for details.	Seats (Total: 7)	

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. GenEd: Diversity - Understanding Plural Societies. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498A **Special Problems in Counseling and Personnel Services: Education and Counseling Issues for Asian Americans**

EDCP498A Special Problems in Counseling and Personnel Services: Education and Counseling Issues for Asian Americans; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Restricted to Sophomores, Juniors and Seniors. Graduate students may enroll with permission of instructor. Asian Americans are often seen as an invisible group, but their experiences have significant implications for the racial politics of education. Issues related to K-12 and higher education for Asian Americans, including disparities between ethnic subgroups, the model minority myth, mental health, affirmative action, and campus life will be covered.

0101	Julie Park Th 1:30pm - 4:00pm	Seats (Total: 18) EDU 0202

EDCP498B **Special Problems in Counseling and Personnel Services; From Africa to South America - The Afro-Brazilian Experience**
Contact department for information to register for this course.

EDCP499A **Workshops, Clinics, Institutes; Transition to Careers in the Global Workplace**

EDCP499A Workshops, Clinics, Institutes: Transition to Careers in the Global Workplace; (2 credits) Grade Method: REG.
For Juniors and Seniors only. The purpose of this course is to help Juni ors/Seniors identify meaningful career paths and continuing education pl ans following college graduation.

0101	Linda Gast Tu 10:00am - 11:50am	Seats (Total: 20) KEY 0120
0201	Linda Gast Tu 1:00pm - 2:50pm	Seats (Total: 20) PLS 1146

EDCP611 **Career Development Theory and Programs**

EDCP611 Career Development Theory and Programs; (3 credits) Grade Method: REG/AUD.
Research and theory related to career and educational decisions; programs of related information and other activities in career decision.

IH14	Ellen Fabian, Debra Luecking	Seats (Total: 15)
	Meets March 10, 2014 - April 19, 2014	
	Class time/details on ELMs	ONLINE
	EDCP Outreach Program Offering. Course registration is restricted to program participants.	

EDCP619D **Practicum in Counseling; Practicum in School Counseling**

EDCP619D Practicum in Counseling: Practicum in School Counseling; (3 credits) Grade Method: REG.

0101	Jung Kim	Seats (Total: 12)
	W 1:30pm - 4:00pm	EDU 0206

EDCP625 **Counseling the Chemically Dependent**

EDCP625 *(PermReq)* **Counseling the Chemically Dependent; (3 credits)** Grade Method: REG.
Chemical dependency and its effects on the individual's personal, social, and work functioning. Counseling procedures for persons with drug and alcohol problems.

0101	Paul Gold	Seats (Total: 18)
	W 4:15pm - 7:00pm	EDU 1315

EDCP630 **School-Based Behavioral Interventions**

EDCP630 School-Based Behavioral Interventions; (3 credits) Grade Method: REG.
Restriction: Permission of instructor; and must be in a major in EDUC-College of Education. Behavior assessment and intervention techniques from behavioral, cognitive-behavioral, and ecological models. Planning, implementation, and evaluation of behavior change techniques.

0101	William Strein	Seats (Total: 10)
	Tu 10:00am - 12:45pm	JMZ 0120

EDCP633 **Diagnostic Appraisal of Children I**

EDCP633 Diagnostic Appraisal of Children I; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCP632.* Assessment of development, emotional and learning problems of children.

0101	Jill Berger	Seats (Total: 10)
	Tu 10:30am - 1:15pm	EDU 3236

EDCP655 **Organizational Dimensions of Student Affairs**

EDCP655 Organizational Dimensions of Student Affairs; (3 credits) Grade Method: REG.
Prerequisite: EDCP610; or permission of EDUC-Counseling, Higher Education and Special Education department. Exploration of leadership and organizational change of student affairs programs in post-secondary education.

0101	Warren Kelley	Seats (Total: 10)
	Tu 1:30pm - 4:15pm	EDU 0202

EDCP672 **Individual and Organizational Assessment in Student Affairs**

EDCP672 Individual and Organizational Assessment in Student Affairs; (3 credits) Grade Method: REG/AUD.
An examination of the scholarship and practice of assessment of college student learning and developmental outcomes as well as organizational practices that contribute to those outcomes.

0101	Alice Mitchell	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	TWS 1105

EDCP680 **Basic Didactic Practicum in Counseling Psychology**

EDCP680 Basic Didactic Practicum in Counseling Psychology; (3 credits) Grade Method: S-F.
Prerequisite: For Counseling Psychology majors only. Formerly: PSYC776. In depth examination of counseling theories and techniques, and supervised experience in application of a range of counseling and therapy approaches.

0101	Ann Judge	Seats (Total: 8)
	M 10:00am - 1:00pm	EDU 3236

EDCP686 **Counseling Psychology Didactic Practicum in Career Interventions**

EDCP686 Counseling Psychology Didactic Practicum in Career Interventions; (3 credits) Grade Method: S-F.
Prerequisite: For Counseling Psychology majors only. Formerly: EDCP777. In depth examination of theorectical approaches and issues in career interventions; supervised experience in career counseling and assessment.

0101	Helena Martin	Seats (Total: 8)
	M 9:00am - 11:50am	EDU 0206

EDCP693 **Assessment in Counseling Psychology ii**

EDCP693 Assessment in Counseling Psychology ii; (3 credits) Grade Method: REG.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC693. Formerly: EDCP789F. Supervised experience in administration, scoring, and interpreting major psychodiagnostic instruments used by counseling psychologists, as well as writing integrative assessment reports. Emphasis on hypothesis testing approach to assessment and on the counseling interview as an assessment tool.

0101	Matthew Miller	Seats (Total: 20)
	Tu 10:00am - 1:00pm	EDU 0206

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Jill Berger	Seats (Total: 10)
	Th 9:00am - 12:15pm	Location: TBA

EDCP742 **Examining College Environments and Outcomes**

EDCP742 Examining College Environments and Outcomes; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS651; or permission of instructor. Credit only granted for: EDCP742 or EDCP789K. Formerly: EDCP789K. Explores theory and research on the impact of the college environment on undergraduate student outcomes. Discusses environmental theory and assessment, college impact theory, outcomes assessment, and implications of the above for higher education and student affairs.

0101	Julie Park	Seats (Total: 20)
	Th 9:00am - 11:45am	TWS 0234

EDCP771 **The College Student**

EDCP771 The College Student; (3 credits) Grade Method: REG/AUD.
A demographic study of the characteristics of college students as well as a study of their aspirations, values, and purposes.

0101	Wallace Eddy	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 0206

EDCP773 **Designing Qualitative Research in Counseling and Student Affairs Contexts**

EDCP773 Designing Qualitative Research in Counseling and Student Affairs Contexts; (3 credits) Grade Method: REG/AUD.
Introduction to philosophical and epistemological foundations, methodologies and methods associated with qualitative research designs appropriate in student affairs and counseling contexts.

0101	Michelle Espino	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 3236

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

5001	John Zacker	Seats (Total: 5)
	Contact instructor or department for details.	

EDCP789A **Advanced Topics in Counseling and Personnel Services; First Year Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: First Year Seminar; (1 credit) Grade Method: REG/AUD.

0101	Paul Gold, Dennis Kivlighan W 2:30pm - 4:00pm	Seats (Total: 20) EDU 1315

EDCP789D **Advanced Topics in Counseling and Personnel Services; The Brigade and the Academy**

EDCP789D Advanced Topics in Counseling and Personnel Services: The Brigade and the Academy; (3 credits) Grade Method: REG.

PCL1	Joseph Thomas W 9:00am - 12:00pm	Seats (Total: 16) LUCE 211
	Restricted to MPLD majors. Open only to the Navy LEAD cohorts. Meets in LUCE211 at the US Naval Academy.	

EDCP789J **Advanced Topics in Counseling and Personnel Services; Ground Theory**

EDCP789J Advanced Topics in Counseling and Personnel Services: Ground Theory; (3 credits) Grade Method: REG/AUD.

0101	Noah Drezner Contact instructor or department for details.	Seats (Total: 5)

EDCP789T **Advanced Topics in Counseling and Personnel Services; Program Planning**

EDCP789T Advanced Topics in Counseling and Personnel Services: Program Planning; (3 credits) Grade Method: REG.

0101	Richard Shin, Jung Kim Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDCP789Z **Advanced Topics in Counseling and Personnel Services; Foundations of Consultation and Collaboration**

EDCP789Z Advanced Topics in Counseling and Personnel Services: Foundations of Consultation and Collaboration; (3 credits) Grade Method: REG.

0101	Colleen O'Neal M 1:15pm - 4:00pm	Seats (Total: 10) EDU 3236

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP798P **Special Problems in Counseling and Personnel Services; Seminar Paper**

EDCP798P Special Problems in Counseling and Personnel Services: Seminar Paper; (1-6 credits) Grade Method: REG/AUD.

IH50	Dennis Kivlighan	Seats (Total: 11)
	Meets January 27, 2014 - May 13, 2014	
	Contact instructor or department for details.	
	Department permission required. EDCP Program Outreach offering. Registration restricted to program participants.	

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

EDCP888A Apprenticeship in Counseling and Personnel Services: College Student Personnel; (3 credits) Grade Method: REG/AUD.

0101	Marsha Guenzler-Stevens	Seats (Total: 10)
	Contact instructor or department for details.	

7201	Michelle Espino Contact instructor or department for details.	Seats (Total: 10)

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG/AUD.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 15)
0501	Judith Kinney Contact instructor or department for details.	Seats (Total: 10)

EDCP888G **Apprenticeship in Counseling and Personnel Services; School Counseling**

EDCP888G *(PermReq)* **Apprenticeship in Counseling and Personnel Services: School Counseling; (1-6 credits)** Grade Method: REG.
For school counseling students only.

0101	Jung Kim, Paul Gold Tu 7:00pm - 8:30pm	Seats (Total: 10) EDU 3233

EDCP888T **Apprenticeship in Counseling and Personnel Services; College Student Personnel Teaching Apprenticeship**

EDCP888T Apprenticeship in Counseling and Personnel Services: College Student Personnel Teaching Apprenticeship; (6 credits) Grade Method: REG/AUD.

PCL1	Dennis Kivlighan Th 9:00am - 11:45am Contact instructor or department for details. *Restricted to Navy LEAD cohorts (MPLD).*	Seats (Total: 20) ARC 1123

PCL2	Dennis Kivlighan	Seats (Total: 6)
	Contact instructor or department for details.	
	Restricted to Navy LEAD cohort (MPLD).	

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Spring 2014

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences.
Corequisite: EDSP211. Students explore historical and current research in early childhood education, primary models of curriculum and pedagogy in the field, and the relationship between critical aspects of young children's development and the creation of inclusive learning opportunities for all children, including children at risk. The concept of developmentally appropriate practice and its application across different developmental levels and early childhood classrooms will be introduced and connected with discussion in EDHD220 and EDSP211. Students examine issues in developing and implementing high quality early childhood education experiences for young children with and without disabilities, including the influence of family, culture, and community, the needs of children at risk (e.g., poverty, immigrant status, English Language Learners), and the role of assessment in early learning.

0101	Elisa Klein Tu 2:00pm - 5:00pm	Seats (Total: 20) JMZ 0205	

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Students who are considering a career in education will consider information about the teaching profession. Students reflect on their personal strengths, identify areas of growth, and examine their predisposition to work with young children with and without disabilities. They will discuss the nature of teaching, the moral and philosophic underpinnings that influenced their decision to enter into the teaching professions, as well as the roles and responsibilities of teachers and the characteristics and qualities for effective teachers (teaching styles and teacher's primary role in the classroom). Students should allow an appropriate amount of travel time from the off-campus experience to your classes meeting on campus.

0101	Brenda Jones Harden Th 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 1107 Location: TBA	 Lab
0102	Brenda Jones Harden Th 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 1107 Location: TBA	 Lab

0103	Brenda Jones Harden Th 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 1107 Location: TBA	Lab
0104	Brenda Jones Harden Th 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 1107 Location: TBA	Lab
0105	Brenda Jones Harden Th 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 1107 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 *(PermReq)* **Literature in the Early Childhood Classroom; (3 credits)** Grade Method: REG.
Restriction: Must be in Early Childhood Education program. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Susan Keightley M 1:30pm - 4:30pm	Seats (Total: 30) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Sarah Eason MW 11:00am - 12:15pm	Seats (Total: 45) EDU 1121
0201	Sarah Eason MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 1107

EDHD231 **Inside 21st Century Creativity: How Creative Ideas, Concepts, and Products are Generated**

EDHD231 Inside 21st Century Creativity: How Creative Ideas, Concepts, and Products are Generated; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Mechanisms of the creative mind. Psychological, social, sociological, developmental, cultural, educational, genetic and neural based roots of creativity.

0101	Kevin Dunbar TuTh 11:00am - 12:15pm	Seats (Total: 60) ARM 0126

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Katherine Muenks TuTh 11:00am - 12:15pm	Seats (Total: 42) EDU 3315
0201	Katherine Muenks TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 1121

EDHD313 **Creative Experiences for Young Children**

EDHD313 *(PermReq)* **Creative Experiences for Young Children; (3 credits)** Grade Method: REG.
Restriction: Must be in Early Childhood Education program. Credit only granted for: EDHD313 or EDCI313. Formerly: EDCI313. Provides preservice teachers with an understanding of the current research on the development of creativity and integration of the arts into an early childhood classroom.

0101	Elisa Klein W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 30) EDU 0212

EDHD314 **Reading in Early Childhood Classroom: Instructions and Materials Part I**

EDHD314 *(PermReq)* **Reading in Early Childhood Classroom: Instructions and Materials Part I; (3 credits)** Grade Method: REG.
Restriction: Must be in Early Childhood Education program. This course introduces early childhood students to current research and methods on teaching reading.

0101	Donald Bolger Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 30) TYD 0111

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Denis Dumas TuTh 2:00pm - 3:15pm	Seats (Total: 45) SQH 1119
0201	Peter Baggetta MW 11:00am - 12:15pm	Seats (Total: 45) SQH 1117
0301	Denis Dumas TuTh 11:00am - 12:15pm	Seats (Total: 45) HBK 0103
0401	Robert Marcus TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 2119

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and junior standing or higher.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Th 2:00pm - 4:45pm Contact instructor or department for details.	Seats (Total: 197) EGR 1202

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Melanie Killen Tu 1:00pm - 3:45pm	Seats (Total: 40) EDU 1107
0201	Geetha Ramani Th 1:00pm - 3:45pm *This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0808L, 0808P*	Seats (Total: 40) EDU 3315
0301	Natasha Cabrera Tu 9:30am - 12:15pm	Seats (Total: 25) EDU 2101

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

0101	Allan Wigfield	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EDU 3315
	Restricted to major codes 0831L,0831P, 0834L, 0834P, 0833L, 0833P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 08320, 0804L and 0804P.	
0201	Ann Battle	Seats (Total: 24)
	W 10:00am - 12:45pm	EDU 3236
	Restricted to major codes 0831L,0831P, 0834L, 0834P, 0833L, 0833P, 0840 , 0840P, 0841L, 0841P, 0842L, 0842P, 08320, 0804L, & 0804P.	

EDHD415 **Social Competence in Young Children**

EDHD415 *(PermReq)* **Social Competence in Young Children; (3 credits)** Grade Method: REG.
Restriction: Must be in Early Childhood Education program; and junior standing or higher. Students will discuss issues and topics relevant to the study of children's social competence, peer interactions, relationships, and groups. Includes field experience.

0101	Brenda Jones Harden	Seats (Total: 30)
	W 2:00pm - 4:50pm	TYD 1132

EDHD419B **Human Development and Learning in School Settings; Human Development and Learning**

EDHD419B *(PermReq)* **Human Development and Learning in School Settings: Human Development and Learning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Advanced study of human development and learning in different phases of school program over a period of time. Restricted to students who completed EDHD419A in the preceding Fall semester. Students should allow an appropriate amount of travel time to transition from the off-campus experience to your classes meeting on campus.

0101	Natasha Cabrera	Seats (Total: 28)
	Tu 1:00pm - 4:00pm	EDU 1315
	Contact instructor or department for details.	

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department. Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	Donald Bolger TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 1121
0201	Min Wang M 4:15pm - 7:00pm	Seats (Total: 40) EDU 0212

EDHD421 **Peer Relations**

EDHD421 Peer Relations; (3 credits) Grade Method: REG.
Recommended: EDHD411. Historical and theoretical underpinnings to contemporary research on peer interactions, relationships, and groups. Focus on (1) inter-dependencies of individual characteristics, social behaviors, social relationships; (2) relations between familial factors and extra-familial peer interactions and relationships; (3) normal and abnormal peer relationships; and (4) cross cultural universals and differences. Also offered as EDHD711.

0101	Kenneth Rubin Tu 1:15pm - 4:00pm	Seats (Total: 10) EDU 1108

EDHD424 **Culture and Community Perspectives: The Diverse World of the Child**

EDHD424 *(PermReq)* **Culture and Community Perspectives: The Diverse World of the Child; (3 credits)** Grade Method: REG.
Corequisite: EDHD419, EDHD314, EDHD313, and EDSP470. Restriction: Junior standing or higher; and must be in Early Childhood Education program. Explores the development of the young child in the context of family and community, with particular emphasis on the impact of state, federal and school system policy on the child's world.

0101	Christy Tirrell-Corbin M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 30) EDU 0212

EDHD425 **Language Development and Reading Acquisition**

EDHD425 *(PermReq)* **Language Development and Reading Acquisition; (3 credits)** Grade Method: REG.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. Restricted to the following education majors: 0802L, 0802P, 0823L, 0823P, 0808L and 0808P.

0101	Chuchu Li M 1:00pm - 3:45pm	Seats (Total: 40) HBK 0103
0201	Chuchu Li W 10:00am - 12:45pm	Seats (Total: 40) ARC 1105

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified. Restricted to Education majors.

0101	Angelica Smith Tu 7:00pm - 9:45pm	Seats (Total: 45) EDU 3315

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EDU 2119

EDHD432 **Student Teaching Pre-K-3**

EDHD432 Student Teaching Pre-K-3; (12 credits) Grade Method: S-F. *Prerequisite: EDHD323, EDHD322, EDHD321, EDHD435, and EDHD427. Corequisite: EDCI464. Restriction: Must be in Early Childhood Education program; and senior standing or higher.* Students must pay a $750.00 lab fee.

0101	Christy Tirrell-Corbin	Seats (Total: 40)
	Contact instructor or department for details.	

EDHD436 **Cognition and Motivation in Reading: Reading Acquisition for Middle School Students**

EDHD436 Cognition and Motivation in Reading: Reading Acquisition for Middle School Students; (3 credits) Grade Method: REG/P-F/AUD.
Cognitive and motivational processes of reading and learning from texts across subjects. Structured approaches to using text for content learning based on approaches to knowledge, motivation, and strategies. Classroom contexts that enable middle school students to engage with diverse texts and Internet resources are provided.

0101	Renae McPherson	Seats (Total: 25)
	Th 4:15pm - 7:00pm	EDU 0114
	Restricted to 0804L and 0804P major codes.	

EDHD440 **Adult Development**

EDHD440 Adult Development; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: EDHD320; or permission of EDUC-Human Development and Quantitative Methodology department. Recommended: EDHD413. Major conceptual approaches to the study of adult development including physical, cognitive, social, emotional and self processes that take place within individuals as they progress from emerging adulthood through middle age.

0101	Elizabeth Robertson-Tchabo	Seats (Total: 40)
	W 9:30am - 12:15pm	EDU 1107

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0101	Peter Baggetta	Seats (Total: 45)
	MW 9:30am - 10:45am	SQH 1117

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498R **Special Problems in Education; Aggression & Social Withdrawal in Childhood and Adolescence**

EDHD498R *(PermReq)* **Special Problems in Education: Aggression & Social Withdrawal in Childhood and Adolescence; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Kenneth Rubin	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD624 **Cognitive and Motivational Bases of Reading; Reading in Content Areas I and II**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: REG/AUD.

0101	Melanie Killen	Seats (Total: 25)
	W 12:20pm - 2:45pm	EDU 1121

EDHD635 **Adolescents at Risk**
Contact department for information to register for this course.

EDHD674 **Self Processes in Adolescence: Implications for Academic Achievement and School Adjustment**
Contact department for information to register for this course.

EDHD711 **Peer-Culture and Group Processes in Human Development**

EDHD711 Peer-Culture and Group Processes in Human Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of EDUC-Human Development and Quantitative Methodology department. The process of group formation, role-taking and status-winning, and the emergence of the peer-culture during childhood and the evolution of the child society at different maturity levels to adulthood. The developmental tasks and adjustment problems associated with winning, belonging, and playing roles in the peer group. Also offered as EDHD421.

0101	Kenneth Rubin	Seats (Total: 5)
	Tu 1:15pm - 4:00pm	EDU 1108

EDHD718 **Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits)
Grade Method: REG/AUD.
Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Geetha Ramani	Seats (Total: 20)
	M 1:00pm - 3:45pm	EDU 2119

EDHD750 **Culture, Context, and Development**

EDHD750 Culture, Context, and Development; (3 credits) Grade Method: REG.
This course will cover theory and research on cultural and contextual influences on social development.

0101	Natasha Cabrera	Seats (Total: 17)
	Th 10:00am - 12:45pm	EDU 1108

EDHD760 **Advanced Educational Psychology**

EDHD760 Advanced Educational Psychology; (3 credits) Grade Method: REG.
Prerequisite: Prior course in educational psychology, learning, or cognition; or permission of EDUC-Human Development and Quantitative Methodology department.
Appplication of psychology to learning processes and theories. Individual differences, measurement, motivation, and intelligence.

0101	Patricia Alexander	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3233

EDHD780 **Research Methods in Human Development**

EDHD780 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS651; or permission of EDUC-Human Development and Quantitative Methodology department. Research methodology for studying human development: research design, hypothesis formulation, instrument development, methodological and statistical approaches, survey of methodologies.

0101	Kathryn Wentzel	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1315

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

EDHD798 *(PermReq)* **Laboratory in Human Development; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD850 **Social Cognition and Moral Reasoning**

EDHD850 Social Cognition and Moral Reasoning; (3 credits) Grade Method: REG/AUD.
Theory and research on social-cognition development and moral development, from infancy to adolescence will be covered.

0101	Melanie Killen	Seats (Total: 20)
	Th 1:00pm - 3:45pm	EDU 1108

EDHD888 **Apprenticeship in Human Development Research**

EDHD888 *(PermReq)* **Apprenticeship in Human Development Research; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

EDHD889 *(PermReq)* **Practicum in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Spring 2014

EDHI338 **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Intergroup Dialogue I**

Contact department for information to register for this course.

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Click here for more course information.

0101	Alison Mojto, Mark Brimhall, Jude Paul Dizon **Meets January 28, 2014 - March 11, 2014** Tu 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

0201	Mark Brimhall, Erik Hanson, Vasco Mateus **Meets March 24, 2014 - May 5, 2014** M 6:45pm - 8:45pm	Seats (Total: 14) MMH 2411C

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Click here for more course information.

0101	Tricia Homer, Mark Brimhall, Benjamin Parks **Meets January 27, 2014 - March 15, 2014** Tu 6:45pm - 8:45pm	Seats (Total: 14) MMH 2411C
0201	Neal McKinney, Beth Cohen, Erin McClure **Meets March 25, 2014 - May 6, 2014** Tu 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Click here for more course information.

0101	Instructor: TBA **Meets January 27, 2014 - March 15, 2014** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Status**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Status; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0201	Beth Cohen, Tiffany Harris, Benjamin Parks **Meets March 25, 2014 - May 6, 2014** Tu 7:00pm - 9:00pm	Seats (Total: 14) MMH 2411C

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBT/Heterosexual**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBT/Heterosexual; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Click here for more course information.

0101	Mark Brimhall, Erin McClure, Samuel Allen **Meets January 27, 2014 - March 10, 2014** M 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338R **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; U.S.Born/Foreign Born**

EDHI338R *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: U.S.Born/Foreign Born; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0201	Judith Martinez, Mark Brimhall, Jeremy Gombin-Sperling **Meets March 24, 2014 - May 5, 2014** M 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI607 **Culture and Education in a Global Context**

EDHI607 Culture and Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI607, EDPL607, or EDPS607. Formerly: EDPL607. Examines cultural theories and analyzes cultural influences in education. Course materials and discussion critically analyze cultural transmission and schooling practices. Also examined are politics of culture, multiculturalism, global cultural clashes, and educators as critical culture workers.

0101	Jing Lin	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2102

EDHI642 **Management of Change in Educational Organizations**

EDHI642 Management of Change in Educational Organizations; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI642, EDPL642, or EDPS642. Formerly: EDPL642. Role of individual as a change agent; issues related to effecting change within organizational sub-systems and total systems are considered. Specific strategies for successful change in schools are addressed. Hybrid Delivery: some sessions will be conducted in Adobe connect. Contact instructor for more details.

0101	Thomas Davis	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 2119

EDHI653 **Organization and Administration of Higher Education**

EDHI653 Organization and Administration of Higher Education; (3 credits) Grade Method: REG.
Credit only granted for: EDHI653, EDPL653, or EDPS653. Formerly: EDPL653. Basic concepts and terminology related to organizational behavior and institutional governance structures. The governance and organization of higher education in the United States.

0101	KerryAnn O'Meara M 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDHI662 **Research on Ethnic Minorities and Demographic Trends in Higher Education**

EDHI662 Research on Ethnic Minorities and Demographic Trends in Higher Education; (3 credits) Grade Method: REG.
Credit only granted for: EDHI662, EDPL662, or EDPS662. Formerly: EDPL662. Current research on ethnic minority student populations including issues of access, campus climate, racial identity, achievement and motivation. In addition to student issues, course examines issues for faculty of color in higher education, curriculum and teaching, and leadership and governance. The application of broad demographic changes in the nation and their impact on higher education over time.

0101	Sharon Fries-Britt Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDHI665 **College Access and Choice**

EDHI665 College Access and Choice; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI665 or EDHI788L. Formerly: EDHI788L. Examines the college-going process, how and why some students successfully navigate it, and what policies and programs can help students from disadvantaged or underrepresented backgrounds overcome barriers to college access and entry.

0101	Alberto Cabrera W 7:00pm - 9:45pm	Seats (Total: 20) EDU 2101

EDHI674 **Minority Serving Institutions**

EDHI674 Minority Serving Institutions; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI674 or EDHI788Q. Formerly: EDHI788Q. Definitions and designations of Minority Serving Institutions vary; however they traditionally include Historically Black Colleges and Universities, Hispanic-Serving Institutions, and Tribal Colleges and Universities. Exploring these institutions as well as some non-traditional MSIs including, Deaf Serving Institutions and Asian American and Pacific Islander Serving Institutions.

0101	Noah Drezner W 4:15pm - 7:00pm	Seats (Total: 20) EDU 0114

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI684 **Alternative Education, Alternative Development**

EDHI684 Alternative Education, Alternative Development; (3 credits) Grade Method: REG/AUD.
Recommended: EDHI606. Credit only granted for: EDHI684 or EDHI788D. Formerly: EDHI788D. A critical examination of the political economy of education and international development policies and practices. Focus is on the implications of these critiques for alternative education and development policies and practices.

0101	Steven Klees Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 3236

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI710 **Globalization and Education**

EDHI710 Globalization and Education; (3 credits) Grade Method: REG/AUD.
Recommended: EDHI605. Credit only granted for: EDHI710 or EDHI788J. Formerly: EDHI788J. Multiple education policies, practices, and innovations linked to economic, technological, and cultural dimensions of globalization are affecting education systems. The consequences of such forces on educational equality, equity, and quality, noting similarities and differences between industrialized and developing countries will be explored.

0101	Nelly Stromquist M 7:00pm - 9:45pm	Seats (Total: 20) EDU 2102

EDHI755 **Federal Policies in Post-Secondary Education**

EDHI755 Federal Policies in Post-Secondary Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI755, EDPL755, or EDPS755. Formerly: EDPL755.
Evolution of the federal role, its current scope and funding. Policy issues associated with federal student aid programs, research grants and social equity regulations.

0101	Marvin Titus M 7:00pm - 9:45pm	Seats (Total: 20) EDU 0212

EDHI767 **Seminar on School District Leadership**
Contact department for information to register for this course.

EDHI788M **Special Topics in Education Policy and Administration; Systems Innovation**
Contact department for information to register for this course.

EDHI788T **Special Topics in Education Policy and Administration; International Education and Cultural Exchange: Policies and Practices**

EDHI788T Special Topics in Education Policy and Administration: International Education and Cultural Exchange: Policies and Practices; (3 credits) Grade Method: REG/AUD.

0101	Taylor Woodman, Briana Malone Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI895 **Research Critique Seminar**

EDHI895 Research Critique Seminar; (3 credits) Grade Method: REG/AUD. *Credit only granted for: EDHI895, EDPL895, or EDPS895. Formerly: EDPL895.* Critiques of research designs in preparation for the doctoral dissertation.

0101	Marvin Titus	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0202

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Spring 2014

EDMS410 Classroom Assessment

EDMS410 *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
Restriction: Junior standing or higher. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Kathryn Alvestad TuTh 9:30am - 10:45am	Seats (Total: 30) ONLINE
0201	Kathryn Alvestad TuTh 2:00pm - 3:15pm	Seats (Total: 30) ONLINE

EDMS451 Introduction to Educational Statistics

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Rosalyn Bryant TuTh 2:00pm - 3:15pm	Seats (Total: 80) ASY 2309
0201	Rosalyn Bryant TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 1121
0301	Ji An MW 2:00pm - 3:15pm	Seats (Total: 30) JMZ 2206

EDMS626 Measurement Techniques For Research

EDMS626 Measurement Techniques For Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS646. Theory, development and applications of various measurement instruments and procedures. Questionnaires, interviews, rating scales, attitude scales, observational procedures, ecological approaches, Q-sort, semantic-differential, sociometry and other techniques.

0101	Carolyn Fidelman W 7:00pm - 9:45pm *Departmental permission required.*	Seats (Total: 10) ONLINE
IH55	Carolyn Fidelman W 7:00pm - 9:45pm *HDQM PBCAE Outreach Offering. Course registration is restricted to program participants.*	Seats (Total: 10) Location: TBA

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Instructor: TBA M 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Ji Seung Yang W 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS646; or students who have taken courses with comparable content may contact the department. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Ji Seung Yang M 4:15pm - 7:00pm	Seats (Total: 30) EDU 1121

EDMS722 **Structural Modeling**

EDMS722 Structural Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS657. Statistical theory and methods of estimation used in structural modeling; computer program applications; multisample models; mean structture models; structural models with multilevel data (e.g., sampling weights, growth models, multilevel latent variable models).

0101	Gregory Hancock Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0220

EDMS724 **Modern Measurement Theory**

EDMS724 Modern Measurement Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS623 and EDMS651. Theoretical formulations of measurement from a latent trait theory perspective.

0101	Hong Jiao Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 0206

EDMS747 **Design of Program Evaluations**

EDMS747 Design of Program Evaluations; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS626, EDMS651, and EDMS647. Or permission of instructor; and permission of EDUC-Human Development and Quantitative Methodology department. Analysis of measurement and design problems in program evaluations.

0101	Kathryn Alvestad Tu 7:00pm - 9:45pm	Seats (Total: 20) ONLINE

EDMS769L **Special Topics in Applied Statistics in Education; Longitudinal Data Analysis**

EDMS769L Special Topics in Applied Statistics in Education: Longitudinal Data Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Harring	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 3315

EDMS769V **Special Topics in Applied Statistics in Education; Multi-Level Modeling**

EDMS769V Special Topics in Applied Statistics in Education: Multi-Level Modeling; (3 credits) Grade Method: REG/AUD.
Formerly: EDMS769S in Spring 2012.

0101	Laura Stapleton	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0206

EDMS771 **Multivariate Data Analysis**

EDMS771 Multivariate Data Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS651.* Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.

0101	Jeffrey Harring	Seats (Total: 30)
	W 4:15pm - 7:00pm	EDU 0212

EDMS798 **Special Problems in Education**

EDMS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Spring 2014

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: EDPL210 or EDPS210. Formerly: EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Steven Stakland Tu 10:00am - 12:45pm	Seats (Total: 30) EDU 1107
0201	Theodore Hartman TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 0114

0301	Theodore Hartman TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1121
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0114
0301	Lisa Eaker Tu 10:00am - 12:45pm	Seats (Total: 30) COL 0101
0401	Lisa Eaker Th 10:00am - 12:45pm	Seats (Total: 30) EDU 1107
0501	Dennis Herschbach TuTh 9:30am - 10:45am	Seats (Total: 30) WDS 0104

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS611 **History of Education in the United States**

EDPS611 History of Education in the United States; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI611, EDPL611, or EDPS611. Formerly: EDPL611. A study of the origins and development of education in the United States, emphasizing the variety of interpretive and methodological concerns that define the field.

0101	Ethan Hutt	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 1210B

EDPS614 **Politics of Education**

EDPS614 Politics of Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI614, EDPL614, or EDPS614. Formerly: EDPL614. Educational institutions as political entities. Focuses on conceptual perspectives for examining political dynamics in governmental and organizational contexts. Provides opportunities to carry out original case studies of policy making processes at various levels of the education policy system.

0101	Betty Malen	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2102

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS703 **Quantitative Applicaltions for Education Policy Analysis**

EDPS703 Quantitative Applicaltions for Education Policy Analysis; (3 credits)
Grade Method: REG/AUD.
Prerequisite: EDMS645; or students who have taken courses with comparable content may contact the department. Recommended: EDMS646; or EDMS651. Or EDMS646; and EDMS651. Credit only granted for: EDHI703, EDPL703, EDPL788U, or EDPS703. Formerly: EDPL703. Students use quantitative applications and secondary datasets to investigate social problems and education policies. Emphasis on the use of quasi-experimental designs and regression techniques to frame education issues, analyze, and recommend policies.

0101	Robert Croninger	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0206

EDPS736 **Phenomenological Inquiry II**

EDPS736 Phenomenological Inquiry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDPS735. Credit only granted for: EDHI736, EDPL736, or EDPS736. Formerly: EDPL736. This advanced course in phenomenological methodology provides an expanded philosophic and methodological grounding for conducting phenomenological research. Attention is given to the development of phenomenological projects through the process of phenomenological writing. It is especially relevant for persons interested in the study of lived meanings in the domains of education, psychology, counseling, the health sciences and related academic and professional fields.

0101	Francine Hultgren	Seats (Total: 10)
	Th 4:15pm - 7:00pm	Location: TBA

EDPS751 **Law, Equity, and Diversity in Education**

EDPS751 Law, Equity, and Diversity in Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHI651 or EDHI671; or permission of instructor. Credit only granted for: EDHI751, EDPL751, or EDPS751. Formerly: EDPL751. An examination of 'dilemmas of difference' on selected issues that arise at the intersection of law and education policy. Dilemmas and value conflicts imbedded in modern federal and state case law dealing with race, gender, sexual orientation, religion and disability.

0101	Ethan Hutt Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107

EDPS788F **Special Topics in Education Policy and Administration; Education Policy and the Politics of Education Reform**

EDPS788F Special Topics in Education Policy and Administration: Education Policy and the Politics of Education Reform; (3 credits) Grade Method: REG/AUD.

0101	Tirza Wilbon White W 4:15pm - 7:00pm	Seats (Total: 24) EDU 3236

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS837 **Race, Class, and Social Justice: A Policy Seminar in Curriculum Theory and Development**

EDPS837 Race, Class, and Social Justice: A Policy Seminar in Curriculum Theory and Development; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDPS635. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDHI837, EDPL837, or EDPS837. Formerly: EDPL837.* An advanced seminar focusing upon critical analyses of the themes, concepts, and language relevant to Curriculum Theory, Policy, and Research. Focus on education policy issues relating to race, class, and social justice with special reference to patterns of economic and cultural distribution, their impact upon persons at society's margins and on specific curricular responses to injustice.

0101	Katy Swalwell	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1210B

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (1-8 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach	Seats (Total: 10)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Spring 2014

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470. Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Carmen Constantinescu TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 0212	
0201	Carmen Constantinescu TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 0212	

EDSP220 **Disabiltiy in Community: Access, Accommodation, and Adaptation**

EDSP220 Disabiltiy in Community: Access, Accommodation, and Adaptation; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Additional information: The course will have one hour lecture on campus throughout the semester. For the first five weeks, there will be a two hour lab that may meet via blended learning format; for the remaining 9 or 10 weeks, students will have a two hour lab in the field. Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities. During the course of the semester, students practice elements of UDL in advance of applying to a selected area of emphasis in education, employment, independent living, recreation, or transportation issues affecting those with disabilities across the age span in advocacy or service organizations.

0101	Carolyn Fink Th 3:00pm - 4:00pm Tu 3:00pm - 5:00pm	Seats (Total: 30) EDU 0114 ONLINE	 Discussion

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289I Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) EDU 0212 EDU 0212	 Discussion
0201	Peter Leone Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 20) EDU 0212 EDU 0206	 Discussion

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham MW 6:15pm - 7:30pm	Seats (Total: 30) ASY 3215	
0201	Michael Dunham TuTh 5:00pm - 6:15pm	Seats (Total: 30) TYD 1102	

EDSP403 **Instruction of Students with Physical Disabilities**

EDSP403 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP603. Credit only granted for: EDSP403 or EDSP603.
Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 3315	

EDSP410 **Functional Reading and Community Based Instruction**

EDSP410 Functional Reading and Community Based Instruction; (3 credits)
Grade Method: REG/P-F/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP614. Credit only granted for: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP415 **Assessment in Special Education**

EDSP415 Assessment in Special Education; (3 credits) Grade Method: REG/AUD.
Recommended: STAT100; or SOCY201. Restriction: Must be in Special Education program. Also offered as: EDSP615. Credit only granted for: EDSP415, or EDSP615. Knowledge and skills for understanding assessment process and interpretation of assessment data. Emphasis on psychometric aspects of assessment related to screening, eligibility, and program planning.

0101	Jade Wexler M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Jade Wexler W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220

EDSP416 **Reading and Writing Instruction in Special Education I**

EDSP416 Reading and Writing Instruction in Special Education I; (3 credits)
Grade Method: REG/AUD. GenEd: Distributive Studies - Humanities.
Restriction: Must be in Special Education program. Also offered as: EDSP616. Credit only granted for: EDSP416 or EDSP616. Assessment and instruction of reading and writing skills for students in special education.

0101	Stephanie Guthrie W 1:15pm - 4:00pm	Seats (Total: 40) EDU 0212

EDSP423 **Assessment in Early Childhood Special Education**

EDSP423 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP624. Credit only granted for: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through grade 3.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1107	

EDSP424 **Field Placement in Special Education: Early Childhood II**

EDSP424 Field Placement in Special Education: Early Childhood II; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Field experience in early childhood special education. Students must reserve three half days (8-1) for this experience. Special education majors only.

0101	Carmen Constantinescu, Anne Butler, Miji Kim F 1:00pm - 2:30pm MTuWThF 8:00am - 1:00pm	Seats (Total: 15) EDU 1107 Location: TBA	 Lab

EDSP430 **Early Intervention: Early Childhood Special Education**

EDSP430 Early Intervention: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP631. Credit only granted for: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Paula Beckman, Sandra Newcomb W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDSP435 **Field Placement in Special Education: Secondary Middle II**

EDSP435 Field Placement in Special Education: Secondary Middle II; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Field experience in secondary middle special education.

0101	Jamey Burho, Pamela Wruble, Carmen Constantinescu F 1:00pm - 2:30pm MTuWThF 8:00am - 1:00pm	Seats (Total: 15) EDU 1107 Location: TBA	Lab

EDSP454 **Field Placement in Special Education: Elementary II**

EDSP454 Field Placement in Special Education: Elementary II; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Field experience in elementary special education.

0101	Jamey Burho, Miji Kim, Anne Butler, Carmen Constantinescu F 1:00pm - 2:30pm MTuWThF 8:00am - 1:00pm	Seats (Total: 15) EDU 1107 Location: TBA	Lab

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 50) EDU 1107
0301	Andrew Egel M 4:15pm - 7:00pm	Seats (Total: 50) EDU 2119

EDSP474 **Assessment in Middle/Secondary Special Education**

EDSP474 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP674. Credit only granted for: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 2102

EDSP476 **Communicating with Sign Language**

EDSP476 Communicating with Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0101	Michael Dunham MW 5:00pm - 6:15pm	Seats (Total: 30) TWS 1107
0201	Michael Dunham MW 3:45pm - 5:00pm	Seats (Total: 30) TWS 1107

EDSP485 **Assessment and Instruction in Mathematics in Special Education**

EDSP485 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP683. Credit only granted for: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education.

0101	Jason Miller, Paula Maccini Tu 4:15pm - 7:00pm *This section is designed for Secondary/Middle Special Education majors and minors. Permission is required for minors.*	Seats (Total: 26) EDU 3315
0201	Kenneth Wright, Paula Maccini Th 4:15pm - 7:00pm *This section is designed for Elementary Special Education majors and minors. Permission if required for minors.*	Seats (Total: 30) EDU 3233

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/P-F/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advising**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advising; (1 credit)** Grade Method: REG/P-F.

0101	Shannon Hayes	Seats (Total: 9)
	Contact instructor or department for details.	

EDSP603 **Instruction of Students with Physical Disabilities**

EDSP603 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP403. Credit only granted for: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl	Seats (Total: 35)
	Tu 1:15pm - 4:00pm	EDU 3315

EDSP605 **The Exceptional Child and Society**

EDSP605 The Exceptional Child and Society; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Relationship of the role and adjustment of the child with an exceptionality to societal characteristics.

IH17	Philip Burke	Seats (Total: 20)
	Meets May 2, 2014 - May 31, 2014	
	F 6:30pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	DoDDS Outreach Program. Registration restricted to program participants	

EDSP614 **Advanced Topics in Functional Reading and Community Based Instruction**

EDSP614 Advanced Topics in Functional Reading and Community Based Instruction; (3 credits) Grade Method: REG.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP410. Credit only granted for: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon	Seats (Total: 35)
	M 4:15pm - 7:00pm	EDU 0220

EDSP615 **Evaluation and Measurement of Exceptional Children and Youth**

EDSP615 Evaluation and Measurement of Exceptional Children and Youth; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP600 and EDMS646; or permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP415. Credit only granted for: EDSP415 or EDSP615. Deals with the understanding and interpretation of the results of psychological and educational tests applicable for use with exceptional children and youth.

0101	Jade Wexler	Seats (Total: 35)
	M 1:15pm - 4:00pm	EDU 1121
0201	Jade Wexler	Seats (Total: 30)
	W 4:15pm - 7:00pm	EDU 0220

EDSP616 **Reading and Writing Instruction in Special Education I**

EDSP616 Reading and Writing Instruction in Special Education I; (3 credits)
Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP416. Credit only granted for: EDSP416 or EDSP616. Assessment and instruction of reading and writing skills and strategies for students in special education.

0101	Stephanie Guthrie W 1:15pm - 4:00pm	Seats (Total: 40) EDU 0212

EDSP624 **Assessment in Early Childhood Special Education**

EDSP624 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP423. Credit only granted for: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1107

EDSP631 **Early Intervention: Early Childhood Special Education**

EDSP631 Early Intervention: Early Childhood Special Education; (3 credits)
Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP430. Credit only granted for: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Paula Beckman, Sandra Newcomb W 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDSP670 **Single Subject Research in Special Education**

EDSP670 Single Subject Research in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Design, application, and analysis of single subject research in special education classrooms across all disabilities.

0101	Andrew Egel	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 0212

EDSP673 **Evaluating Evidence-Based Practices in Special Education**

EDSP673 Evaluating Evidence-Based Practices in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. Recommended: EDSP670 and EDSP600. Credit only granted for: EDSP673 or EDSP798E. Formerly: EDSP798E. Evaluating evidence-based practices in special education, by examining theoretical origins, use of causal designs, programmatic lines of research, and research syntheses to explore the development of what it means for an intervention to have the potential to significantly impact practice.

0101	Susan De La Paz	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 1121

EDSP674 **Assessment in Middle/Secondary Special Education**

EDSP674 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP474. Credit only granted for: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert	Seats (Total: 20)
	W 1:15pm - 4:00pm	EDU 2102

EDSP683 **Assessment and Instruction in Mathematics in Special Education**

EDSP683 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP485. Credit only granted for: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education.

0101	Jason Miller, Paula Maccini Tu 4:15pm - 7:00pm *This section is designed for Secondary/Middle Special Education majors and minors. Permission required for minors.*	Seats (Total: 26) EDU 3315
0201	Kenneth Wright, Paula Maccini Th 4:15pm - 7:00pm *This section is designed for Elementary Special Education majors and minors. Permission required for minors.*	Seats (Total: 30) EDU 3233

EDSP690 **Teacher Candidate Research Seminar in Special Education**

EDSP690 Teacher Candidate Research Seminar in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

0101	Frances Kohl, Martha Moon Contact instructor or department for details. *Section 0101 is for Master's Certification Program students.*	Seats (Total: 15)
0201	Martha Moon, Frances Kohl Contact instructor or department for details. *Section 0201 is for 5-Year Program students.*	Seats (Total: 30)

EDSP694 **Graduate Internship in Special Education II: Early Childhood**

EDSP694 Graduate Internship in Special Education II: Early Childhood; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP494, EDSP694, or EDSP889A. Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities. Students must pay a $750.00 lab fee.

0101	Stacey Williams Contact instructor or department for details.	Seats (Total: 25)

EDSP695 **Graduate Internship in Special Education II: Elementary**

EDSP695 Graduate Internship in Special Education II: Elementary; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must not be in Special Education (Master's) program. Credit only granted for: EDSP495, EDSP694, or EDSP888A. Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings. Students must pay a $750.00 lab fee.

0101	Elizabeth Halloran-Tornquist, Anne Butler, Patricia Ulf Contact instructor or department for details.	Seats (Total: 25)

EDSP696 **Graduate Internship in Special Education II: Secondary Middle**

EDSP696 Graduate Internship in Special Education II: Secondary Middle; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP496, EDSP696, or EDSP889A. Student teaching, full-time for twelve weeks, with students with disabilities in secondary or middle school settings. Students must pay a $750.00 lab fee.

0101	Patricia Ulf Contact instructor or department for details.	Seats (Total: 25)

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP798G **Special Problems in Special Education; Graduate Internship in Special Education II**

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP872 **Theory and Empirical Design in Special Education Research**

EDSP872 Theory and Empirical Design in Special Education Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 and EDMS646; or permission of EDUC-Counseling, Higher Education and Special Education department. Restriction: Must be in Special Education (Doctoral) program. Credit only granted for: EDSP672 or EDSP872. Formerly: EDSP672. Design and evaluation of quantitative research in special education across disabilities and ages.

0101	Susan De La Paz	Seats (Total: 12)
	Tu 4:15pm - 7:00pm	EDU 0114

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Spring 2014

EDUC388 **Special Topics in Education; Guided Experiences in College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experiences in College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students approved as undergraduate teaching assistants. Section 0101 and 0102 are reserved for standard UTA program and should be taken concurrently with EDHD 498, 0101 for one credit.

0102	Sandra Loughlin Tu 5:00pm - 7:00pm Contact instructor or department for details. *Relates to the standard UTA program and should be taken concurrently with EDHD 498, 1201 for one credit.*	Seats (Total: 30) ASY 3215
0201	Sharon Vanwright Contact instructor or department for details. Contact instructor or department for details. *Relates to Academic Achievement Program- should be taken concurrently w th EDCI 498, Section 6601.*	Seats (Total: 20)

EDUC388H **Special Topics in Education; Honors Synthesis Seminar II**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar II; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program.

0101	Christy Tirrell-Corbin M 4:15pm - 6:15pm	Seats (Total: 20) EDU 3236

EDUC498 **Selected Topics in Education**

EDUC498 Selected Topics in Education; (1 credit) Grade Method: REG.

0101	Sandra Loughlin Contact instructor or department for details.	Seats (Total: 60)

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Course restricted to students admitted to College of Education honors program.

0101	Christy Tirrell-Corbin Contact instructor or department for details.	Seats (Total: 14)

EDUC588A **Special Topics on Curriculum; Arts Integration through Experiential Reflection**

EDUC588A Special Topics on Curriculum: Arts Integration through Experiential Reflection; (3 credits) Grade Method: REG/AUD.

IH16	Susan Denvir	Seats (Total: 5)
	Meets March 9, 2014 - April 19, 2014	
	Contact instructor or department for details.	
	Arts Integration Outreach Program. Registration restricted to program participants.	

EDUC698E **Advanced Topics in Education; International Program Fellows**
Contact department for information to register for this course.

EDUC888 **Applied Apprenticeship in Education**
Contact department for information to register for this course.

EDUC888A **Applied Apprenticeship in Education; Applied Apprenticeship in Education: Apprenticeship in Scholarly Writing**
Contact department for information to register for this course.

EDUC888B **Applied Apprenticeship in Education; Dissertation in Practice Process**
Contact department for information to register for this course.

EDUC888D **Applied Apprenticeship in Education; Educational Politics**
Contact department for information to register for this course.

ENAE Engineering, Aerospace Spring 2014

ENAE200 **Aerospace Engineering Profession II**

ENAE200 Aerospace Engineering Profession II; (1 credit) Grade Method: REG/P-F/AUD.
Recommended: ENAE100. Restriction: Must be in Engineering: Aerospace program; and permission of ENGR-Aerospace Engineering department. Overview of the engineering profession as it pertains to the role of the engineer in society, professional practice and ethical standards, career development, opportunities and need for lifelong learning, importance of safety and standards, effective written, visual, and oral communications, and the impact of the engineering profession on global issues.

0101	Kevin Lewy, Norman Wereley	Seats (Total: 28)	
	Tu 2:00pm - 3:15pm	EGR 1202	
	Tu 11:00am - 11:50am	KEB 2107	Lab

0102	Kevin Lewy, Norman Wereley Tu 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 34) EGR 1202 KEB 2111	 Lab
0103	Norman Wereley, Kevin Lewy Tu 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 28) EGR 1202 KEB 2107	 Lab

ENAE202 **Aerospace Computing**

ENAE202 Aerospace Computing; (3 credits) Grade Method: REG.
Corequisite: MATH140. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0101	Robert Sanner MW 1:00pm - 1:50pm Th 3:00pm - 5:00pm	Seats (Total: 28) EGR 1202 KEB 2107	 Lab
0102	Robert Sanner MW 1:00pm - 1:50pm F 3:00pm - 5:00pm	Seats (Total: 27) EGR 1202 EGR 0312	 Lab
0103	Robert Sanner MW 1:00pm - 1:50pm Th 1:00pm - 3:00pm	Seats (Total: 28) EGR 1202 KEB 2107	 Lab
0104	Robert Sanner MW 1:00pm - 1:50pm F 1:00pm - 3:00pm	Seats (Total: 27) EGR 1202 EGR 0312	 Lab

ENAE324 **Aerospace Structures**

ENAE324 Aerospace Structures; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. Restriction: Must be in Engineering: Aerospace program. Analysis of torsion, beam bending, plate bending, buckling and their application to aerospace.

0101	Mary Bowden	Seats (Total: 97)	
	MW 11:00am - 11:50am	KEB 1110	
	F 11:00am - 12:50pm	KEB 1110	Discussion

ENAE398H **Honors Research Project**

ENAE398H *(PermReq)* **Honors Research Project; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE404 **Space Flight Dynamics**

ENAE404 Space Flight Dynamics; (3 credits) Grade Method: REG. *Prerequisite: ENAE301. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Three-dimensional motion under central fields. Solutions to orbital motion, orbital elements, time elements. Kepler's laws. Orbital maneuvering, rendezvous and station-keeping. Rigid-body attitude dynamics, spacecraft attitude dynamics.

0101	Liam Healy	Seats (Total: 46)
	TuTh 9:30am - 10:45am	BPS 1236

ENAE414 **Aerodynamics II**

ENAE414 Aerodynamics II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.* Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

0101	Anya Jones	Seats (Total: 75)
	TuTh 9:30am - 10:45am	MCB 1207

ENAE415 **Helicopter Theory**

ENAE415 Helicopter Theory; (3 credits) Grade Method: REG.
Prerequisite: ENAE414. Restriction: Must be in Engineering: Aerospace program. Elementary exposition on the theory and practice of aerodynamics applied to helicopters and other rotary wing aircraft.

0101	James Baeder	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	PLS 1168

ENAE420 **Computational Structural Mechanics**

ENAE420 Computational Structural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and MATH241; and must have completed a course in linear algebra. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Introductory of finite element methods for aerospace engineering modeling and analysis; equips students with ability to understand manuals of commercial finite element analysis software.

0101	Sung Lee	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 0135

ENAE432 **Control of Aerospace Systems**

ENAE432 Control of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ENAE301 and ENAE283. Restriction: Junior standing or higher; and must be in Engineering: Aerospace program. An introduction to the feedback control of dynamic systems. Laplace transforms and transfer function techniques; frequency response and Bode diagrams. Stability analysis via root locus and Nyquist techniques. Performance specifications in time and frequency domains, and design of compensation strategies to meet performance goals.

0101	Robert Sanner	Seats (Total: 115)
	MWF 9:00am - 9:50am	CHE 2110

ENAE464 **Aerospace Engineering Laboratory**

ENAE464 Aerospace Engineering Laboratory; (3 credits) Grade Method: REG. *Prerequisite: ENAE324, ENAE362, ENAE311, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Application of fundamental measuring techniques to measurements in aerospace engineering. Includes experiments in aerodynamics, structures, propulsion, flight dynamics and astrodynamics. Correlation of theory with experimental results.

0101	Allen Winkelmann MW 8:00am - 8:50am M 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0102	Allen Winkelmann MW 8:00am - 8:50am Tu 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0103	Allen Winkelmann MW 8:00am - 8:50am W 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0104	Allen Winkelmann MW 8:00am - 8:50am Th 2:00pm - 5:00pm	Seats (Total: 16) JMP 3201 EGL 0121	 Lab
0201	Raymond Sedwick MW 11:00am - 11:50am Th 2:00pm - 5:00pm	Seats (Total: 21) EGR 3106 EGR 1110	 Lab
0202	Raymond Sedwick MW 11:00am - 11:50am F 2:00pm - 5:00pm	Seats (Total: 21) EGR 3106 EGR 1110	 Lab

ENAE471 **Aircraft Flight Testing**

ENAE471 Aircraft Flight Testing; (3 credits) Grade Method: REG. *Prerequisite: ENAE414. Corequisite: ENAE403. Restriction: Must be in Engineering: Aerospace program.* Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

0101	John Leishman MW 2:00pm - 3:15pm	Seats (Total: 25) EGR 0135

ENAE482 **Aeronautical Systems Design**

ENAE482 Aeronautical Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENAE455, ENAE423, ENAE403, and ENAE481. Restriction: Must be in Engineering: Aerospace program; and senior standing or higher. Senior capstone design course in the aeronautics track. Introduction of computerized methods for sizing and performance analysis. More comprehensive methods to predict weight, aerodynamics and propulsion system characteristics. Consideration in design disciplines such as vulnerability, maintainability, produceability, etc. Groups of students will complete, brief and report on a major design study to specific requirements.

0101	Dominic Palumbo MWF 1:00pm - 1:50pm	Seats (Total: 55) CHM 1402
0201	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 12) EGR 1102

ENAE484 **Space Systems Design**

ENAE484 Space Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENAE423, ENAE483, ENAE441, and ENAE457. Restriction: Must be in Engineering: Aerospace program. Senior capstone design course in the space track. Group preliminary design of a space system, including system and subsystem design, configuration control, costing, risk analysis, and programmatic development. Course also emphasizes written and oral engineering communications.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 45) ITV 1111

ENAE488R **Topics in Aerospace Engineering; Planetary Rover Development**

ENAE488R *(PermReq)* **Topics in Aerospace Engineering: Planetary Rover Development; (3 credits)** Grade Method: REG.

0101	David Akin	Seats (Total: 26)
	Contact instructor or department for details.	

ENAE488T **Topics in Aerospace Engineering; Topics in Wind Tunnel Testing**

ENAE488T Topics in Aerospace Engineering: Topics in Wind Tunnel Testing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisities: ENAE 362 and ENAE 311 or permission of the department. Areview of low speed wind tunnel design and wind tunnel testing techniques including force/moment measurements, surface measurements, flow field measurements and diagnostics and flow visualization.

0101	Allen Winkelmann	Seats (Total: 14)	
	MW 9:00am - 9:50am F 2:00pm - 5:00pm	JMP 2202 EGL 0123	 Lab

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE633 **Helicopter Dynamics**

ENAE633 Helicopter Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE631. Or permission of ENGR-Aerospace Engineering department; and permission of instructor. Flap dynamics. Mathematical methods to solve rotor dynamics problems. Flap-lag-torsion dynamics and identify structural and inertial coupling terms. Overview on rotary wing unsteady aerodynamics. Basic theory of blade aeroelastic stability and ground and air resonance stability, vibration analyses and suppression.

0101	Inderjit Chopra	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMP 2222
SM01	Inderjit Chopra	Seats (Total: 5)
	TuTh 9:30am - 10:45am	Location: TBA

ENAE634 **Helicopter Design**

ENAE634 Helicopter Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE631. Or permission of ENGR-Aerospace Engineering department; and permission of instructor. Principles and practice of the preliminary design of helicopters and similar rotary wing aircrafts. Design trend studies, configuration selection and sizing methods, performance and handling qualities analyses, structural concepts, vibration reduction and noise. Required independent design project conforming to a standard helicopter request for proposal (RFP).

0101	Vengalattore Nagaraj, Inderjit Chopra, John Leishman F 1:00pm - 5:00pm	Seats (Total: 20) EGR 3102

ENAE635 **Helicopter Stability and Control**

ENAE635 Helicopter Stability and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE631. Restriction: Permission of ENGR-Aerospace Engineering department. Advanced dynamics as required to model rotorcraft for flight dynamic studies. Development of helicopter simulation models and specifications of handling qualities. Methods for calculation of trim, poles, frequency response, and free flight response to pilot inputs.

0101	Roberto Celi MW 11:00am - 12:15pm	Seats (Total: 10) EGR 3111

ENAE642 **Atmospheric Flight Control**

ENAE642 Atmospheric Flight Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE403 and ENAE432; or students who have taken courses with comparable content may contact the department. Exposure to flight guidance and control. Draws heavily from vehicle dynamics as well as feedback theory, and careful treatment of the non-linear aspects of the problem is critical. Conventional sythesis techniques are stressed, although modern methods are not ignored. Multivariable system analysis is included, along with flight-control design objectives and hardware limitations. Emphasis on aircraft and missiles.

0101	James Humbert TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 1110

ENAE652 **Computational Structural Mechanics**

ENAE652 *(PermReq)* **Computational Structural Mechanics; (3 credits)** Grade Method: REG.
Restriction: Permission of instructor; and permission of ENGR-Aerospace Engineering department. Fundamentals of structural mechanics and computational modeling. Finite element modeling of two- and three-dimensional solids, plates and shells. Geometrically nonlinear behavior. Structural stability such as buckling and postbuckling.

0101	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 20) JMP 2222
SG01	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SM01	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA

ENAE663 **Introduction to Plasmas for Space Propulsion and Power**

ENAE663 Introduction to Plasmas for Space Propulsion and Power; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS411; and permission of instructor. Credit only granted for: ENAE788L or ENAE663. Formerly: ENAE788L. Characteristics of plasmas, motion of charged particles in fields, collisional processes, kinetic theory, fluid desctiption of plasmas, transpot properties, equilibrium vs. non-equilibrium, generation of plasmas.

0101	Raymond Sedwick W 4:00pm - 6:30pm	Seats (Total: 10) EGR 0108

ENAE665 **Advanced Airbreathing Propulsion**

ENAE665 Advanced Airbreathing Propulsion; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE674 and ENAE455; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. Advanced treatment of airbreathing propulsion technologies, propulsion system analysis, and engine/airframe integration. Topics will vary, but may include novel engine cycles, advanced gas turbine systems, pulsed systems, and high-speed engines, including scramjets and combined cycle systems.

0101	Kenneth Yu	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	EGR 0135

ENAE674 **Aerodynamics of Compressible Fluids**

ENAE674 Aerodynamics of Compressible Fluids; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE471. Restriction: Permission of ENGR-Aerospace Engineering department. One-dimensional flow of a perfect compressible fluid. Shock waves. Two-dimensional linearized theory of compressible flow. Two-dimensional transonic and hypersonic flows. Exact solutions of two-dimensional isotropic flow. Linearized theory of three-dimensional potential flow. Exact solution of axially symmetrical potential flow. One-dimensional flow with friction and heat addition.

0101	Christopher Cadou	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 3102

ENAE676 **Turbulence**

ENAE676 *(PermReq)* **Turbulence; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE672. Recommended: ENAE674. Physical and statistical descriptions of turbulence; review of phenomenological theories for turbulent flows; scales of motion; correlations and spectra; homogeneous turbulent flows; inhomogeneous shear flows; turbulent flows in pipes and channels; turbulent boundary layers; theory of methods for turbulent flows (Reynolds stress equations, LES, DES, DNS); experimental methods for turbulence measurements.

0101	Pino Martin	Seats (Total: 10)
	TuTh 9:30am - 10:45am	EGR 0135

ENAE685 **Computational Fluid Dynamics II**

ENAE685 Computational Fluid Dynamics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE684. Restriction: Permission of ENGR-Aerospace Engineering department. Continuation of ENAE 684. Basic algorithms for the numerical solution of two and three dimensional inviscid and viscous flows. Applications to internal and external flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 20) CHE 2116

ENAE757 **Advanced Structural Dynamics**

ENAE757 Advanced Structural Dynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE655; or students who have taken courses with comparable content may contact the department.* Demonstrate the practical application of Smart Materials and Spatially Distributed Transducers to the design and control of advanced structures. The course will be focused toward the active control of continuum structures using advance Spatially Distributed Parameter System control techniques and concepts. Effective system parameterizations will be used to reduce distributed parameter system models to classical canonical state space form for the purpose of robust adaptive structure design. Application case studies, including morphing structures will be employed as necessary to enhance the students intuition and understanding of Distributed Parameter Systems.

HT01	James Hubbard TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
SM01	James Hubbard TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard TuTh 12:30pm - 1:45pm	Seats (Total: 10) JMP 2222

ENAE788E **Selected Topics in Aerospace Engineering; Electro-Mechanical Systems Modeling**

ENAE788E Selected Topics in Aerospace Engineering: Electro-Mechanical Systems Modeling; (3 credits) Grade Method: REG/AUD.

0101	Alison Flatau Tu 3:30pm - 6:30pm	Seats (Total: 10) EGR 0108

ENAE791 **Launch and Entry Vehicle Design**

ENAE791 Launch and Entry Vehicle Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE601.* Design of aerospace vehicles for atmospheric transit to and from space. Generic formulation of atmospheric flight dynamics. Ballistic and lifting entry trajectories. Estimation of vehicle aerodynamic properties and aerothermodynamic heating. Entry thermal protection design. Trajectory analysis of sounding rockets and orbital launch vehicles. Serial, parallel, and hybrid multistaging schemes, optimal multistaging. Constrained trajectory optimization. Launch vehicle economic and reliability analysis, flight termination systems, sensors and actuators.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMP 2121
HT01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Spring 2014

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker F 1:00pm - 1:50pm	Seats (Total: 100) EGR 1202

ENCE200 **Civil Engineering Computation**

ENCE200 *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100, MATH141, and ENES102; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE200 or ENCE202. Formerly: ENCE202. Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Kaye Brubaker, Frank White MW 2:00pm - 3:15pm	Seats (Total: 37) EGR 1156
0201	Kaye Brubaker, Frank White MW 3:30pm - 4:45pm	Seats (Total: 37) EGR 1156

ENCE201 **Engineering Information Processing**

ENCE201 *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE201 or ENCE203. Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 46) ITV 1111
0201	Peter Chang MWF 2:00pm - 2:50pm	Seats (Total: 60) KEB 1110

ENCE215 **Engineering for Sustainability**

ENCE215 *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department. Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Carmen Franks TuTh 9:30am - 10:45am	Seats (Total: 65) KEB 1110

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

0102	Instructor: TBA W 1:00pm - 3:00pm Th 12:00pm - 2:00pm	Seats (Total: 15) SPH 1301 EGL 0110E	 Lab
0103	Instructor: TBA W 1:00pm - 3:00pm Th 2:00pm - 4:00pm	Seats (Total: 15) SPH 1301 EGL 0110E	 Lab
0104	Instructor: TBA W 1:00pm - 3:00pm Th 4:00pm - 6:00pm	Seats (Total: 15) SPH 1301 EGL 0110E	 Lab

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG.
Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

0101	David Lovell MWF 2:00pm - 2:50pm	Seats (Total: 65) EGR 1202	

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261, ENES220, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE305 or ENCE330. Formerly: ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0201	Barton Forman MWF 8:00am - 8:50am	Seats (Total: 45) EGR 1108
0301	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 40) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Natasha Andrade TuTh 8:00am - 9:15am	Seats (Total: 60) SYM 0200

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

0101	Scott Macrae M 5:00pm - 7:30pm *Click here for syllabus.*	Seats (Total: 108) JMP 3201

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek TuTh 11:00am - 12:15pm	Seats (Total: 55) SPH 1302

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220). The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

0101	Instructor: TBA MWF 9:00am - 9:50am	Seats (Total: 62) PLS 1130

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 Analysis of Civil Engineering Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Ali Haghani TuTh 9:30am - 10:45am	Seats (Total: 50) SPH 1302
0201	Ali Haghani TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2116

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 *(PermReq)* **Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261, ENCE201, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

0101	Mark Franz MWF 1:00pm - 1:50pm	Seats (Total: 48) BPS 0283

ENCE402 **Simulation and Design of Experiments for Engineers**

ENCE402 *(PermReq)* **Simulation and Design of Experiments for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302; and permission of ENGR-Civil & Environmental Engineering department. Review of statistics and hypothesis testing, sample design and design of experiments, generation of discrete and continuous distributions and their applications. Introduction of simulation languages and simulation of discrete and continuous engineering systems. Output analysis, model validation and sensitivity and reliability analysis.

0101	Steven Gabriel TuTh 11:00am - 12:15pm	Seats (Total: 49) CHE 2118	

ENCE411 **Environmental Engineering Science**

ENCE411 *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE310; and permission of ENGR-Civil & Environmental Engineering department. The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Marya Anderson TuTh 11:00am - 11:50am W 10:00am - 1:00pm	Seats (Total: 9) EGR 0110 Location: TBA	 Lab
0102	Marya Anderson TuTh 11:00am - 11:50am W 1:00pm - 4:00pm	Seats (Total: 9) EGR 0110 Location: TBA	 Lab

ENCE412 **Environmental Engineering Unit Operations**

ENCE412 *(PermReq)* **Environmental Engineering Unit Operations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE305 and ENCE310; and permission of ENGR-Civil & Environmental Engineering department. Examination of unit operations and processes encountered in environmental engineering field. Fundamental principles learned from previous classes will be applied into the design and operation of unit operations and processes, particularly in the area of water and wastewater treatment. Similar processes will be applied to air pollution control, solid waste disposal and hazardous waste treatment.

0101	Allen Davis TuTh 2:00pm - 3:15pm	Seats (Total: 43) EGR 3106

ENCE421 **Legal Aspects of Engineering Practice**

ENCE421 Legal Aspects of Engineering Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department; or must be in Project Management minor. Study legal principles relevant to engineering design and construction contracts. Specific subjects covered include engineering design and construction contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, mediation and arbitration, intellectual property, patents and copyrights, sureties and ethics. Study principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligations and responsibilities of engineers.

0101	Miroslaw Skibniewski Th 5:00pm - 7:30pm	Seats (Total: 61) CHE 2108

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department. Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Qingbin Cui	Seats (Total: 75)
	W 5:00pm - 7:30pm	JMP 3201

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 Project Planning, Scheduling and Control; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department. Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules.

0101	Kenneth O'Connell	Seats (Total: 75)
	M 5:00pm - 7:30pm	KEB 1110

ENCE424 **Communication for Project Managers**

ENCE424 Communication for Project Managers; (3 credits) Grade Method: REG.
Restriction: Must be in Project Management minor; or must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department. The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	William Brantley	Seats (Total: 100)	
	Tu 5:00pm - 7:30pm	CHE 2110	

ENCE431 **Hydrologic Engineering**

ENCE431 *(PermReq)* **Hydrologic Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department. An introduction to basic principles of hydrologic science including the hydrologic cycle, rainfall, surface runoff and streamflow. Special emphasis is placed on hydrologic engineering design of stormwater management and flood control facilities. Design projects are used to illustrate design practices.

0101	Richard McCuen	Seats (Total: 45)	
	MWF 9:00am - 9:50am	EGR 1108	

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

ENCE444 *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department. In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

0101	Yunfeng Zhang, Mohamed Aggour	Seats (Total: 20)	
	Tu 2:00pm - 2:50pm	EGR 0108	
	W 1:00pm - 4:00pm	EGR 3114	Lab

0102	Mohamed Aggour, Yunfeng Zhang	Seats (Total: 20)	
	Tu 2:00pm - 3:00pm	EGR 3111	
	W 1:00pm - 4:00pm	EGR 1110	Lab

ENCE447 **Pavement Engineering**

ENCE447 *(PermReq)* **Pavement Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department. Fundamental principles underlying the design, construction, maintenance and repair, and management of highway and airfield pavement systems. Pavement performance (functional/structural; evaluation); pavement mechanics (multi-layered elastic theory; slab theory); pavement materials (properties and characterization); environmental effects; current rigid and flexible design methods (new/rehabilitation); construction (new construction; maintenance/repair; rehabilitation); economic evaluation; pavement management.

0101	Nelson Gibson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EGR 3106

ENCE453 **Computer-Aided Structural Analysis**

ENCE453 *(PermReq)* **Computer-Aided Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department. Computer-aided analysis of structural systems. Unified matrix formulation of stiffness and flexibility methods. Slope deflection method. Evaluation of truss, frame, and grid systems. Non-prismatic and curved elements. Error analysis and determination of ill-conditions. Introduction to finite element methods; formulation of simple two-dimensional elements. In laboratory, use and development of CAD software.

0101	Amde Amde	Seats (Total: 32)
	TuTh 9:30am - 10:45am	EGR 2154

ENCE455 **Design of Steel Structures**

ENCE455 *(PermReq)* **Design of Steel Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department. Behavior and design of members subjected to fatigue, and combined bending and compression; plate girders, composite beams, open-web joists and connections. Methods of allowable stress design, and load and resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges.

0101	Brian Phillips TuTh 12:30pm - 1:45pm	Seats (Total: 40) ITV 1111

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Senior standing. Additional information: Must be taken in the semester in which the student graduates. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.

0101	Russell Anderson Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 40) EGR 1202 EGR 1156
0201	Russell Anderson Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 40) EGR 1202 EGR 1156

ENCE472 **Transportation Engineering**

ENCE472 *(PermReq)* **Transportation Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department. Transportation engineering concepts including transportation systems analysis, airport systems, airline and airport operations, marine transportation and urban public transportation systems.

0101	Paul Schonfeld TuTh 12:30pm - 1:45pm	Seats (Total: 35) EGR 0108

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE489E **Special Problems in Civil Engineering; Data Assimilation in Civil and Environmental Engineering**

ENCE489E Special Problems in Civil Engineering: Data Assimilation in Civil and Environmental Engineering; (3 credits) Grade Method: REG/P-F/AUD.

0101	Barton Forman MW 3:00pm - 4:15pm	Seats (Total: 15) ITV 1111

ENCE489O **Special Problems in Civil Engineering; Hazardous Waste Management**

ENCE489O Special Problems in Civil Engineering: Hazardous Waste Management; (3 credits) Grade Method: REG/P-F/AUD.

0101	Yaron Sternberg MWF 10:00am - 10:50am	Seats (Total: 10) EGR 0110

ENCE602 **Project Procurement Management**

ENCE602 Project Procurement Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the (ENGR: Graduate Certificate in Project Management) program; or must be in one of the following programs (ENGR: MS/PhD-Civil Engineering (Master's); Master of Engineering-Project Mgmt (Master's); ENGR: MS/PhD-Civil Engineering (Doctoral); Master of Engineering (Master's)) ; or permission of ENGR-Civil & Environmental Engineering department. Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism. Weekly video conference Tuesday 8:00pm to 9:00pm.

0101	Qingbin Cui W 2:30pm - 5:00pm	Seats (Total: 17) JMP 2217

ENCE603 **Management Science Applications in Project Management**

ENCE603 Management Science Applications in Project Management; (3 credits) Grade Method: REG.
The fundamentals of management science techniques in project management including: linear and integer programming, multi-objective optimization, simulation, decision analysis, Analytic Hierarchy Process (AHP), deterministic and stochastic dynamic programming. Applications will be drawn from the Critical Path Method (CPM), resource management, and other areas of Project Management.

0101	Steven Gabriel Tu 2:00pm - 4:30pm	Seats (Total: 17) JMP 2120
PM01	Steven Gabriel Class time/details on ELMs	Seats (Total: 5) ONLINE

ENCE620 **Risk Analysis for Engineering**

ENCE620 Risk Analysis for Engineering; (3 credits) Grade Method: REG/AUD.
Sources of hazards, definition of risk, system analysis, functional modeling and analysis techniques, probabilistic risk assessment procedure, risk methods, risk acceptance, assessment of failure likelihood, consequence assessment, risk benefit assessment, uncertainty surces and types, modeling uncertainty, risk analysis and decision making under uncertainty, collection of data, expert-opinion elicitation, human-machine interface and human factors engineering.

0101	Bilal Ayyub	Seats (Total: 20)
	M 2:00pm - 4:30pm	EGR 1110

ENCE624 **Managing Projects in a Dynamic Environment**

ENCE624 Managing Projects in a Dynamic Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.
This course examines the nine principles simultaneous managers use interdependently and presents a theory of project management that is intellectually rigorous and consistent with pragmatic knowledge.

PM01	Man Cheung, John Cable	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Mondays 8:00-9:00pm.	

ENCE625 **Project Administration**

ENCE625 Project Administration; (3 credits) Grade Method: REG/AUD.
The principles of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems of construction.

0101	Miroslaw Skibniewski	Seats (Total: 29)
	Tu 6:00pm - 8:30pm	JMP 2217

PM01	Neil Schulman	Seats (Total: 30)
	Meets January 25, 2014 - May 11, 2014	
	Class time/details on ELMs	ONLINE
	Weekly video conferences Wednesday 7:00-8:00pm.	

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Restriction: Must not have completed ENCE627. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

PM01	Gregory Baecher	Seats (Total: 30)
	Meets January 25, 2014 - May 11, 2014	
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Th 8:00-9:00 am or 7:00-8:00pm	

ENCE644 **Advanced Pavement and Civil Engineering Materials**

ENCE644 Advanced Pavement and Civil Engineering Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE300. Credit only granted for: ENCE644 or ENCE688P. Formerly: ENCE688P. Advanced course in Highway and Civil Engineering Materials. Dynamic Material Characterization. Elastic, Plastic and Viscoelastic Behavior. Energy Analysis. Physical and Mechanical Properties. NDT. Performance: Creep, Fatigue, Durability, other. Recent developments in Aggregate Evaluation, Portland Cement Concrete, High Performance Concrete, Conventional and Modified Asphalt Binders and Mixtures, Polymers & Composites, Geotextiles, Smart and Self Healing Materials, Recycled and Reclaimed Materials.

0101	Dimitrios Goulias	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	EGR 3111

ENCE645 **Geotechnics of Waste Disposal**

ENCE645 Geotechnics of Waste Disposal; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENCE489X, ENCE645, or ENCE688X. Formerly: ENCE688X.
Fundamental aspects of geotechnical engineering that apply to problems of waste containment and remediation, basic principles of containment systems, compacted clay liners and clay mineralogy, hydraulic conductivity of compacted soils, methods of laboratory and field hydraulic conductivity measurements, design of waste containment systems, landfill stability and settlement, geosynthetic liners, waste compatibility, contaminant transport through liners, leachate collection systems, gas collection systems, covers and caps.

0101	Ahmet Aydilek Tu 5:00pm - 7:30pm	Seats (Total: 25) EGR 3106

ENCE655 **Environmental Behavior of Organic Pollutants**

ENCE655 Environmental Behavior of Organic Pollutants; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE651. Introduction to the scientific data needed and methods currently available to assess the environmental risk of organic chemicals. Applications of principles from chemical thermodynamics will be used to study phase-transfer processes of organic pollutants in the environment (solid/water, solid/air, water/air). Physical-chemical properties of organic pollutants will be used to estimate partitioning. Also offered as MEES698Q. Credit granted for ENCE655 or MEES698Q.

0101	Alba Torrents W 8:00am - 10:30am	Seats (Total: 20) EGR 1110

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

PM01	Man Cheung, John Cable	Seats (Total: 35)
	Meets January 25, 2014 - May 11, 2014	
	Class time/details on ELMs	ONLINE
	Weekly videoconferences Th 7:00-8:00am or 8:00-9:00pm	

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 *(PermReq)* **Legal Aspects of Engineering Design and Construction; (3 credits)** Grade Method: REG/AUD.

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.

Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

0101	Thomas Barham	Seats (Total: 50)
	W 6:00pm - 8:30pm	JMP 2121

ENCE665 **Management of Project Teams**

ENCE665 Management of Project Teams; (3 credits) Grade Method: REG/AUD.
Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

PM01	Jocelyn Davis, Kathryn Britton	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Weekly video conferences: Monday or Tuesday 7:00-8:00pm.	

ENCE667 **Project Performance Measurement**

ENCE667 *(PermReq)* **Project Performance Measurement; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.
Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

0101	Gregory Baecher	Seats (Total: 29)
	Th 3:30pm - 6:00pm	JMP 2217

ENCE673 **Urban Transportation**

ENCE673 Urban Transportation; (3 credits) Grade Method: REG/AUD.
The contempory methodology of urban transportation planning. The urban transportation planning process, interdependence between the urban transportation system and the activity system, urban travel demand models, evaluation of urban transportation alternatives and their implementation.

0101	Lei Zhang	Seats (Total: 25)
	W 2:00pm - 4:30pm	JMP 1202

ENCE674 **Urban Transit Planning and Rail Transportation Engineering**

ENCE674 Urban Transit Planning and Rail Transportation Engineering; (3 credits) Grade Method: REG/AUD.
Basic engineering components of conventional and high speed railroads and of air cushion and other high speed new technology. The study of urban rail and bus transit. The characteristics of the vehicle, the supporting way, and the terminal requirements will be evaluated with respect to system performance, capacity, cost, and level of service.

0101	Paul Schonfeld Tu 5:00pm - 7:45pm	Seats (Total: 30) EGR 2116

ENCE688C **Advanced Topics in Civil Engineering; Traffic Signal Design and Analysis**

ENCE688C Advanced Topics in Civil Engineering: Traffic Signal Design and Analysis; (3 credits) Grade Method: REG/AUD.

0101	Gang-Len Chang Th 5:00pm - 7:30pm	Seats (Total: 15) EGR 3111

ENCE688K **Advanced Topics in Civil Engineering; Flow in Open Channels and Conveyance Structures**

ENCE688K Advanced Topics in Civil Engineering: Flow in Open Channels and Conveyance Structures; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE305 or equivalent. Application of theoretical, experimental and computer simulation techniques in the design of open channels and conveyance structures including transitions, spillways, culverts, weirs, and bridge openings. Uniform and non-uniform flows under subcritical or supercritical conditions. Analysis of unsteady, spatially varied channel and overland flows.

0101	Kaye Brubaker MW 5:00pm - 6:15pm	Seats (Total: 10) EGR 3102

ENCE688O **Advanced Topics in Civil Engineering; Hazardous Waste Management**

ENCE688O Advanced Topics in Civil Engineering: Hazardous Waste Management; (3 credits) Grade Method: REG/AUD.

0101	Yaron Sternberg MWF 10:00am - 10:50am	Seats (Total: 10) EGR 0110

ENCE688T **Advanced Topics in Civil Engineering; Transportation Network Algorithms and Implementations**

ENCE688T Advanced Topics in Civil Engineering: Transportation Network Algorithms and Implementations; (3 credits) Grade Method: REG/AUD.

0101	Elise Miller-Hooks M 2:00pm - 4:30pm	Seats (Total: 25) EGR 3114

ENCE688X **Advanced Topics in Civil Engineering; Advanced Water Treatment Technologies**

ENCE688X Advanced Topics in Civil Engineering: Advanced Water Treatment Technologies; (3 credits) Grade Method: REG/AUD.

0101	Baoxia Mi M 9:00am - 11:30am	Seats (Total: 20) CHE 2145

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE689E **Seminar; Data Assimilation in Civil and Environmental Engineering**

ENCE689E Seminar: Data Assimilation in Civil and Environmental Engineering; (3 credits) Grade Method: REG/AUD.

0101	Barton Forman MW 3:00pm - 4:15pm	Seats (Total: 10) ITV 1111

ENCE710 **Steel Structures I**

ENCE710 Steel Structures I; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE656. Moment connections of beams and columns. Wind bracing connections. Plate girders. Floor systems for buildings. Strengthening of beams and trusses. Corrosion control. Fatigue and fracture.

0101	Chung Fu	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 3102

ENCE713 **Concrete Structures I**

ENCE713 Concrete Structures I; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE753. The behavior and strength of reinforced concrete members under combined loadings, including the effects of creep, shrinkage and temperature. Mechanisms of shear resistance and design procedures for bond, shear and diagonal tension. Elastic and ultimate strength analysis and design of slabs. Columns in multistory frames. Applications to reinforced concrete structures.

0101	Amde Amde	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 2154

ENCE715 **Earthquake Engineering**

ENCE715 *(PermReq)* **Earthquake Engineering; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Formerly: ENCE755. Review of SDOF and MDOF structural dynamics; characteristics of earthquakes; philosophies of seismic design; elastic and inelastic response spectra; design for ductility; principles of capacity design; design of structural systems requiring special performance criteria.

0101	Yunfeng Zhang	Seats (Total: 20)
	W 4:30pm - 7:00pm	EGR 3114

ENCE730 **Environmental and Water Resource Systems II**

ENCE730 Environmental and Water Resource Systems II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE630; or permission of instructor. Advanced topics in operational research. Applications to complex environmental and water resource systems. The use of systems simulation and probabalistic modeling.

0101	Richard McCuen	Seats (Total: 10)
	TuTh 8:00am - 9:15am	EGR 2116

ENCE741 **Earth Retaining Structures**

ENCE741 Earth Retaining Structures; (3 credits) Grade Method: REG/AUD. Introduction to types and uses of earth retaining structures, and lateral earth pressure concepts and theories. Analysis and design of retaining walls and shoring structures and their bracing systems. These include conventional retaining walls, mechanically stabilized earth walls, cantilever and anchored sheet piling, cellular cofferdams, braced cuts, soil nailing, and the design of tiebacks and anchors. Load and resistance factor design concept will be presented.

0101	Mohamed Aggour	Seats (Total: 25)
	Th 5:00pm - 7:30pm	EGR 2116

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD. Advanced special students require department permission.

0101	Ganesh Sriram	Seats (Total: 30)
	Tu 11:00am - 12:00pm	CHE 2108

ENCH630 **Transport Phenomena**

ENCH630 *(PermReq)* **Transport Phenomena; (3 credits)** Grade Method: REG/AUD. *Prerequisite: CHBE422; and ENCH424. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.* Heat, mass and momentum transfer theory from the viewpoint of the basic transport equations. Steady and unsteady state; laminar and turbulent flow; boundary layer theory, mechanics of turbulent transport; with specific application to complex chemical engineering situations.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 15)
	MW 4:00pm - 5:15pm	EGR 2116

ENCH640 **Advanced Chemical Reaction Kinetics**

ENCH640 *(PermReq)* **Advanced Chemical Reaction Kinetics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: CHBE440; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. The theory and application of chemical reaction kinetics to reactor design. Reaction rate theory; homogeneous batch and flow reactors; fundamentals of catalysis; design of heterogeneous flow reactors.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 15) EGR 2116

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648B **Special Problems in Chemical Engineering; Biochemical Engineering**

ENCH648B *(PermReq)* **Special Problems in Chemical Engineering: Biochemical Engineering; (3 credits)** Grade Method: REG/AUD.

0101	Nam Sun Wang MWF 11:00am - 11:50am	Seats (Total: 8) ITV 1100

ENCH648K **Special Problems in Chemical Engineering; Advanced Fuel Cells and Batteries**

ENCH648K *(PermReq)* **Special Problems in Chemical Engineering: Advanced Fuel Cells and Batteries; (3 credits)** Grade Method: REG/AUD.

0101	Chunsheng Wang TuTh 3:30pm - 4:45pm	Seats (Total: 10) JMP 3201
HT01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
ME01	Chunsheng Wang Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)
SM01	Chunsheng Wang Contact instructor or department for details.	Seats (Total: 5)

ENCH648N **Special Problems in Chemical Engineering; Bionanotechnology**

ENCH648N *(PermReq)* **Special Problems in Chemical Engineering: Bionanotechnology; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE689N.

0101	Srinivasa Raghavan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2110

ENCH648P **Special Problems in Chemical Engineering; Molecular Modeling Methods**

ENCH648P *(PermReq)* **Special Problems in Chemical Engineering: Molecular Modeling Methods; (3 credits)** Grade Method: REG/AUD.

0101	Jeffery Klauda	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	EGR 1104

ENCH648Q **Special Problems in Chemical Engineering; Mesoscopic and Nanoscale Thermodynamics**

ENCH648Q *(PermReq)* **Special Problems in Chemical Engineering: Mesoscopic and Nanoscale Thermodynamics; (3 credits)** Grade Method: REG/AUD.
Also offered as CHPH718E.

0101	Mikhail Anisimov	Seats (Total: 10)
	TuTh 5:00pm - 6:15pm	CHE 2118

ENCH648T **Special Problems in Chemical Engineering; Tissue Engineering**

ENCH648T *(PermReq)* **Special Problems in Chemical Engineering: Tissue Engineering; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE611.

0101	John Fisher	Seats (Total: 10)
	W 2:00pm - 4:30pm	EGR 2154

ENCH648Z **Special Problems in Chemical Engineering; Nanoparticle Aerosol Dynamics and Particle Technology**

ENCH648Z *(PermReq)* **Special Problems in Chemical Engineering: Nanoparticle Aerosol Dynamics and Particle Technology; (3 credits)** Grade Method: REG/AUD.

0101	Michael Zachariah	Seats (Total: 15)
	TuTh 9:30am - 10:45am	EGR 1104

ENCH799 **Master's Thesis Research**

ENCH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Spring 2014

ENCO099 **Co-Op/Intern Work Experience; Co-op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience: Co-op/Intern Work Experience; (No credit)** Grade Method: S-F.
Permission of Co-op Director required. Obtain permission and more information in 1131 College of Engineering. For special fees, see the Financial Information section of the Registration Guide.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering — Spring 2014

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Tudor Dumitras Tu 12:30pm - 1:45pm WF 9:00am - 9:50am	Seats (Total: 12) KEB 1110 AVW 1442	Discussion
0102	Tudor Dumitras Tu 12:30pm - 1:45pm WF 10:00am - 10:50am	Seats (Total: 12) KEB 1110 AVW 1442	Discussion
0103	Tudor Dumitras Tu 12:30pm - 1:45pm WF 11:00am - 11:50am	Seats (Total: 12) KEB 1110 AVW 1442	Discussion

ENEE148A **Special Topics in Electrical Engineering; Programming Elements for Electrical Engineers**

ENEE148A *(PermReq)* **Special Topics in Electrical Engineering: Programming Elements for Electrical Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
A problem-based introduction to C programming in the context of microcontroller applications. This course provides an introduction to C programming in the context of simple electrical engineering applications and also teaches elements of sensor and actuator operation, communications, control, and circuit theory.

0101	Wesley Lawson MW 11:00am - 11:50am F 10:00am - 12:50pm	Seats (Total: 8) EGR 1110 AVW 1450	Lab

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
Prerequisite: ENEE140. Or permission of ENGR-Electrical & Computer Engineering department; and (score of 5 on the A Java AP exam; or score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam). Corequisite: MATH140. Restriction: Must be in Engineering: Electrical program. Credit only granted for: ENEE114 or ENEE150. Formerly: ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Donald Yeung MW 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0102	Donald Yeung MW 12:30pm - 1:45pm Th 12:00pm - 12:50pm	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0103	Donald Yeung MW 12:30pm - 1:45pm Th 1:00pm - 1:50pm	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0104	Donald Yeung MW 12:30pm - 1:45pm Th 2:00pm - 2:50pm	Seats (Total: 12) CHE 2118 AVW 1442	Discussion
0201	William Hawkins TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0202	William Hawkins TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion
0203	William Hawkins TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 12) CHE 2108 AVW 2446	Discussion

0204	William Hawkins TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 12) CHE 2108 AVW 2446	Discussion

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits)
Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. *Restriction: Sophomore standing or higher.* Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Nicole Mogul TuTh 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 16) MCB 1207 EGR 3111	Discussion
0102	Nicole Mogul TuTh 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 16) MCB 1207 EGR 3111	Discussion
0103	Nicole Mogul TuTh 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 16) MCB 1207 EGR 3114	Discussion
0104	Nicole Mogul TuTh 11:00am - 11:50am F 8:00am - 9:50am	Seats (Total: 16) MCB 1207 EGR 1102	Discussion
0105	Nicole Mogul TuTh 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 16) MCB 1207 KEB 1200	Discussion

ENEE205 **Electric Circuits**

ENEE205 *(PermReq)* **Electric Circuits; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.* Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	JMP 3201	
	Tu 12:00pm - 1:50pm	AVW 1356	Lab
	Tu 11:00am - 11:50am	AVW 1356	Discussion
0102	Thomas Murphy	Seats (Total: 14)	
	MW 11:00am - 12:15pm	JMP 3201	
	Tu 3:00pm - 4:50pm	AVW 1356	Lab
	Tu 2:00pm - 2:50pm	AVW 1356	Discussion
0103	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	JMP 3201	
	Th 12:00pm - 1:50pm	AVW 1356	Lab
	Th 11:00am - 11:50am	AVW 1356	Discussion
0104	Thomas Murphy	Seats (Total: 14)	
	MW 11:00am - 12:15pm	JMP 3201	
	Th 3:00pm - 4:50pm	AVW 1356	Lab
	Th 2:00pm - 2:50pm	AVW 1356	Discussion
0105	Instructor: TBA	Seats (Total: 12)	
	MW 11:00am - 12:15pm	JMP 3201	
	Tu 9:00am - 10:50am	AVW 1356	Lab
	Tu 8:00am - 8:50am	AVW 1356	Discussion
0106	Thomas Murphy	Seats (Total: 12)	
	MW 11:00am - 12:15pm	JMP 3201	
	Th 9:00am - 10:50am	AVW 1356	Lab
	Th 8:00am - 8:50am	AVW 1356	Discussion

0201	Wesley Lawson	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	CHE 2108	
	M 12:00pm - 1:50pm	AVW 1356	Lab
	M 11:00am - 11:50am	AVW 1356	Discussion
0202	Wesley Lawson	Seats (Total: 14)	
	TuTh 9:30am - 10:45am	CHE 2108	
	M 3:00pm - 4:50pm	AVW 1356	Lab
	M 2:00pm - 2:50pm	AVW 1356	Discussion
0203	Wesley Lawson	Seats (Total: 14)	
	TuTh 9:30am - 10:45am	CHE 2108	
	W 3:00pm - 4:50pm	AVW 1356	Lab
	W 2:00pm - 2:50pm	AVW 1356	Discussion
0204	Wesley Lawson	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	CHE 2108	
	F 12:00pm - 1:50pm	AVW 1356	Lab
	F 11:00am - 11:50am	AVW 1356	Discussion
0206	Wesley Lawson	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	CHE 2108	
	F 9:00am - 10:50am	AVW 1356	Lab
	F 8:00am - 8:50am	AVW 1356	Discussion

ENEE222 **Elements of Discrete Signal Analysis**

ENEE222 *(PermReq)* **Elements of Discrete Signal Analysis; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241. Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Instructor: TBA	Seats (Total: 28)	
	MW 2:00pm - 3:15pm	JMP 3201	
	Th 10:00am - 10:50am	KEB 2111	Lab
	Tu 10:00am - 10:50am	KEB 2111	Discussion

0102	Instructor: TBA	Seats (Total: 28)	
	MW 2:00pm - 3:15pm	JMP 3201	
	Th 11:00am - 11:50am	KEB 2111	Lab
	Tu 11:00am - 11:50am	KEB 2111	Discussion
0201	Jonathan Simon	Seats (Total: 28)	
	TuTh 2:00pm - 3:15pm	KEB 1110	
	W 9:00am - 9:50am	KEB 2107	Lab
	F 9:00am - 9:50am	KEB 2107	Discussion
0202	Jonathan Simon	Seats (Total: 28)	
	TuTh 2:00pm - 3:15pm	KEB 1110	
	W 10:00am - 10:50am	KEB 2107	Lab
	F 10:00am - 10:50am	KEB 2107	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Corequisite: ENEE150 or CMSC131. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

0101	Gang Qu	Seats (Total: 14)	
	MW 3:30pm - 4:45pm	CHE 2108	
	F 11:00am - 11:50am	EGR 1110	Discussion
0102	Gang Qu	Seats (Total: 14)	
	MW 3:30pm - 4:45pm	CHE 2108	
	F 12:00pm - 12:50pm	EGR 1110	Discussion
0103	Gang Qu	Seats (Total: 14)	
	MW 3:30pm - 4:45pm	CHE 2108	
	F 11:00am - 11:50am	EGR 2116	Discussion

0104	Gang Qu MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 14) CHE 2108 EGR 3102	Discussion
0105	Gang Qu MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 14) CHE 2108 EGR 2154	Discussion
0106	Gang Qu MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 14) CHE 2108 EGR 2154	Discussion
0201	Charles Silio TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 14) KEB 1110 EGR 3114	Discussion
0202	Charles Silio TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 14) KEB 1110 EGR 3102	Discussion
0203	Charles Silio TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 14) KEB 1110 EGR 2116	Discussion
0204	Charles Silio TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 14) KEB 1110 EGR 3111	Discussion
0205	Charles Silio TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 14) KEB 1110 EGR 3114	Discussion
0206	Charles Silio TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 14) KEB 1110 EGR 0108	Discussion

ENEE245 **Digital Circuits and Systems Laboratory**

ENEE245 *(PermReq)* **Digital Circuits and Systems Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

0101	Manoj Franklin M 10:00am - 10:50am M 12:00pm - 2:50pm	Seats (Total: 12) PLS 1140 AVW 1450	 Lab
0102	Instructor: TBA M 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 12) PLS 1140 AVW 1450	 Lab
0103	Instructor: TBA M 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 12) PLS 1140 AVW 1450	 Lab
0104	Manoj Franklin M 10:00am - 10:50am W 8:00am - 10:50am	Seats (Total: 12) PLS 1140 AVW 1450	 Lab
0105	Instructor: TBA M 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 12) PLS 1140 AVW 1450	 Lab
0106	Instructor: TBA M 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 12) PLS 1140 AVW 1450	 Lab
0107	Manoj Franklin M 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 12) PLS 1140 AVW 1450	 Lab

0108	Manoj Franklin M 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 12) PLS 1140 AVW 1450	 Lab

ENEE303 **Analog and Digital Electronics**

Students must complete all 200-level ENEE courses (or be currently registered in them) before permission will be granted to register for 300- or 400-level ENEE courses.

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Instructor: TBA MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2108 EGR 3102	 Discussion
0102	Instructor: TBA MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2108 EGR 3102	 Discussion
0201	Instructor: TBA TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) CSS 1113 EGR 2116	 Discussion
0202	Instructor: TBA TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 25) CSS 1113 EGR 3114	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE 306 or ENEE 307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.

0101	Robert Newcomb W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0102	Instructor: TBA W 9:00am - 9:50am Tu 8:00am - 11:00am	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0103	Robert Newcomb W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0104	Robert Newcomb W 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0105	Robert Newcomb W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0106	Instructor: TBA W 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0107	Instructor: TBA W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0108	Instructor: TBA W 9:00am - 9:50am F 12:00pm - 3:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab

0109	Instructor: TBA W 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab
0110	Instructor: TBA W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) CHM 1402 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Neil Goldsman MW 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 25) JMP 3201 PLS 1168	 Discussion
0102	Instructor: TBA MW 12:30pm - 1:45pm Th 12:00pm - 12:50pm	Seats (Total: 25) JMP 3201 ARM 0120	 Discussion
0201	Instructor: TBA TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 25) BPS 1236 EGR 0108	 Discussion

ENEE313H **Introduction to Device Physics**

ENEE313H *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Agisilaos Iliadis TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 15) JMP 1202 EGR 0135	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.

0101	Instructor: TBA MW 3:30pm - 4:45pm Tu 10:00am - 10:50am	Seats (Total: 25) CHE 2118 EGR 2116	 Discussion
0102	Instructor: TBA MW 3:30pm - 4:45pm Tu 11:00am - 11:50am	Seats (Total: 24) CHE 2118 CHM 1224	 Discussion
0201	Instructor: TBA TuTh 3:30pm - 4:45pm M 9:00am - 9:50am	Seats (Total: 25) CHE 2108 EGR 2116	 Discussion
0202	Michael Rotkowitz TuTh 3:30pm - 4:45pm M 10:00am - 10:50am	Seats (Total: 25) CHE 2108 EGR 2154	 Discussion

0203	Michael Rotkowitz TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 25) CHE 2108 EGR 2154	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Steven Marcus MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 21) JMP 3201 EGR 3114	 Discussion
0102	Steven Marcus MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 21) JMP 3201 EGR 2116	 Discussion
0103	Steven Marcus MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 21) JMP 3201 EGR 3102	 Discussion
0201	Armand Makowski TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 25) CSI 2117 EGR 1102	 Discussion

ENEE324H **Engineering Probability**

ENEE324H *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

0101	Nuno Martins	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	EGR 1102	
	M 12:00pm - 12:50pm	EGR 1110	Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

0101	Instructor: TBA	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	CHE 2108	
	Th 9:00am - 9:50am	EGR 3114	Discussion
0102	Instructor: TBA	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	CHE 2108	
	Th 10:00am - 10:50am	EGR 3114	Discussion

0201	Instructor: TBA TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 23) EGR 0110 EGR 1104	 Discussion
0202	Instructor: TBA TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 22) EGR 0110 EGR 3114	 Discussion

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS271, PHYS270, and MATH241; and completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only. Department Permission Required.

0101	Jeremy Munday MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 2116	 Discussion
0102	Jeremy Munday MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 24) CHE 2118 EGR 3114	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Christopher Davis MW 11:00am - 12:15pm Tu 12:00pm - 12:50pm	Seats (Total: 25) SPH 1302 EGR 0110	 Discussion

0102	Christopher Davis MW 11:00am - 12:15pm Tu 1:00pm - 1:50pm	Seats (Total: 25) SPH 1302 EGR 1108	 Discussion
0201	Wesley Lawson TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 0108	 Discussion
0202	Wesley Lawson TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 24) CHE 2118 EGR 3102	 Discussion

ENEE381H **Electromagnetic Wave Propagation**

ENEE381H *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Edward Ott TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 15) EGR 3111 EGR 1110	 Discussion

ENEE408A **Capstone Design Project:Microprocessor-Based Design**

ENEE408A *(PermReq)* **Capstone Design Project:Microprocessor-Based Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Prerequisite: ENEE440.

0101	William Hawkins Th 9:30am - 10:45am TBA	Seats (Total: 12) AVW 2446 AVW 1454	 Lab

ENEE408D **Capstone Design Project: Mixed Signal VLSI Design**

ENEE408D *(PermReq)* **Capstone Design Project: Mixed Signal VLSI Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE303, ENEE307, and ENEE313. Click here for more course information.

0101	Pamela Abshire	Seats (Total: 28)	
	TuTh 9:30am - 10:20am	KEB 2107	
	F 11:00am - 2:00pm	KEB 2107	Discussion

ENEE408G **Capstone Design Project: Multimedia Signal Processing**

ENEE408G *(PermReq)* **Capstone Design Project: Multimedia Signal Processing; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE420 or 425. Click here for more course information.

0101	Shihab Shamma	Seats (Total: 12)	
	M 12:30pm - 1:45pm	EGR 2116	
	W 2:00pm - 5:00pm	KEB 2107	Lab
0102	Shihab Shamma	Seats (Total: 12)	
	M 12:30pm - 1:45pm	EGR 2116	
	W 11:00am - 2:00pm	KEB 2107	Lab

ENEE417 **Microelectronics Design Laboratory**

ENEE417 *(PermReq)* **Microelectronics Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE307; and minimum grade of C- in ENEE313; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Students design and build fairly sophisticated circuits, mainly composed of discrete transistors and integrated circuits. Many of the projects are designed to require that students synthesize from what they have learned in many of the disciplines in electrical engineering. Students learn they can actually use their knowledge to build something very practical, which may include a high-fidelity amplifier, a radio, a memory cell, a transmitter, etc.

0101	Robert Newcomb Tu 12:30pm - 1:20pm M 2:00pm - 5:00pm	Seats (Total: 8) EGR 1102 AVW 1334	 Lab
0102	Robert Newcomb Tu 12:30pm - 1:20pm W 2:00pm - 5:00pm	Seats (Total: 8) EGR 1102 AVW 1334	 Lab

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Instructor: TBA MW 2:00pm - 3:15pm	Seats (Total: 40) EGR 1104

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.* Sampling as a modulation process; aliasing; the sampling theorem; the *Z*-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 35) EGR 1104

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum. Corequisite: ENEE425 or ENEE420. Restriction: Must be in Engineering: Electrical program.

0101	Instructor: TBA W 10:00am - 10:50am F 9:00am - 12:00pm	Seats (Total: 8) CSI 1121 AVW 1366	 Lab
0102	Instructor: TBA W 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 8) CSI 1121 AVW 1366	 Lab

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG.
Prerequisite: ENEE350; and completion of all lower division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2154

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE350; and must have earned a minimum grade of regular (letter) C- in all 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	Instructor: TBA	Seats (Total: 12)	
	Tu 9:30am - 10:20am	EGR 3114	
	Th 2:00pm - 5:00pm	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350; and completion of all lower-division technical courses in the EE curriculum.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Yavuz Oruc	Seats (Total: 65)	
	MW 11:00am - 12:15pm	CHE 2108	

ENEE459E **Topics in Computer Engineering; Introduction to Cryptology**

ENEE459E *(PermReq)* **Topics in Computer Engineering: Introduction to Cryptology; (3 credits)** Grade Method: REG.
Prerequisites:Any two 400-level MATH courses; or (CMSC351 and CMSC330); or (ENEE322 and ENEE380). Credit only granted for: ENEE459E, CMSC456, CMSC489R, or MATH456. Over the past two decades, cryptography has become a highly relevant field: In addition to military and national security applications, cryptography is currently being used in critical financial, legal, and social applications. The aim of cryptography is to construct efficient schemes that allow parties to interact to implement some functionality, even when some subset of parties are malicious and behave adversarially. In contrast to the classical approach based on heuristics and ad-hoc solutions, modern cryptography aims for specific, rigorous security guarantees based on precise mathematical definitions and provably secure protocols.

0101	Dana Dachman-Soled	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	ITV 1100	

ENEE461 **Control Systems Laboratory**

ENEE461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG.

Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE322; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE461, ENME461, or ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control and familiarize them with the characteristics and limitations of real control devices. They will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Prerequisite: permission of department. Also offered as ENME461.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0104	William Levine MW 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab

ENEE463 **Digital Control Systems**

ENEE463 *(PermReq)* **Digital Control Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322; and completion of lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Formerly: ENEE469E. Introduction to techniques for the analysis and design of linear control systems and implementation of control systems using digital technology. Topics include linearization, solution of linear equations, z-transforms and Laplace transforms, design of linear controllers, optimal control, and digital implementation of control designs. Students will use MATLAB for the solution of problems and the design of control systems.

0101	Gilmer Blankenship MW 11:00am - 12:15pm	Seats (Total: 40) CHE 2136	

ENEE473 **Electrical Machines Laboratory**

ENEE473 *(PermReq)* **Electrical Machines Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: 1 course with a minimum grade of C- from (ENEE205, ENEE206); and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Experiments involving single and three phase transformers, induction machines, synchronous machines and D.C. machines.

0101	Patrick McAvoy F 1:00pm - 1:50pm F 2:00pm - 5:00pm	Seats (Total: 12) CSI 2120 AVW 1360	 Lab
0102	Patrick McAvoy F 1:00pm - 1:50pm F 9:00am - 12:00pm	Seats (Total: 12) CSI 2120 AVW 1360	 Lab
0103	Patrick McAvoy F 1:00pm - 1:50pm Tu 9:00am - 12:00pm	Seats (Total: 12) CSI 2120 AVW 1360	 Lab

ENEE475 **Power Electronics**

ENEE475 *(PermReq)* **Power Electronics; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).* This course is suitable for undergraduate and graduate students who want to learn the basic principles of power electronics and its applications. Special emphasis is placed on interdisciplinary nature of power electronics. Strong and intimate connections between power electronics and circuit theory, electronic circuits, semiconductor devices, electric power, magnetic, motor drives and control are stressed.

0101	Isaak Mayergoyz MW 2:00pm - 3:15pm	Seats (Total: 70) CSI 3117

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 Independent Study in Electrical and Computer Engineering; (1-3 credits) Grade Method: REG.

0201	John Baras Contact instructor or department for details.	Seats (Total: 3)
1201	Romel Gomez Contact instructor or department for details.	Seats (Total: 3)
1801	Robert Newcomb Contact instructor or department for details.	Seats (Total: 3)
5601	Jonathan Simon Contact instructor or department for details.	Seats (Total: 10)
9801	Jeremy Munday Contact instructor or department for details.	Seats (Total: 10)

ENEE489A **Topics in Electrophysics; Laboratory for Antennas for Wireless Personal Communication**

ENEE489A *(PermReq)* **Topics in Electrophysics: Laboratory for Antennas for Wireless Personal Communication; (3 credits)** Grade Method: REG.

0101	Quirino Balzano	Seats (Total: 10)	
	Tu 12:30pm - 1:45pm	AVW 2446	
	Th 11:00am - 2:00pm	AVW 2446	Lab

Prerequisites: ENEE 381 or equivalent. A senior level advanced laboratory course designed to provide hands-on exposure on concepts of antennas design, including computer modeling, fabrication and testing of small scale antennas used in personal communication systems. The course builds upon the concepts of electromagnetic wave introduced in ENEE381. Students will learn how to use state of the art microwave testing apparatus and techniques, simulate electromagnetic properties based on geometry as well as design, build and test several prototype antenna configurations.

ENEE489Q **Topics in Electrophysics; Quantum Phenomena in Electrical Engineering**

ENEE489Q *(PermReq)* **Topics in Electrophysics: Quantum Phenomena in Electrical Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH241 and (ENEE222 or ENEE241), ENEE303, ENEE381 and ENEE380. The course provides fundamental understanding of quantum mechanical principles for electrical engineering and nanotechnology applications. It is designed to acquaint electrical and computer engineering students with concepts on which modern electronic and optical devices are based. Topics include: wave phenomena and wave-particle duality, photons and quantum states, entanglement, paradoxes, quantum crytography, Schrodingers equation in 1-dimension, bound states,tunneling, scatteringproblems, optoelectronic and electronic devices and superconducting Josephson's junctions.

0101	Julius Goldhar	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENEE496 **Lasers and Electro-optic Devices**

ENEE496 *(PermReq)* **Lasers and Electro-optic Devices; (3 credits)** Grade Method: REG.
Prerequisite: ENEE381; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Modern physical optics: Gaussian beams, optical resonators, optical waveguides; theory of laser oscillation, rate equations; common laser systems. Selected modern optoelectronic devices like detectors and modulators. Role of lasers and optoelectronics in modern technology.

0101	Mario Dagenais	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EGR 3106

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergraduate Teaching Experience**
Contact department for information to register for this course.

ENEE601 **Semiconductor Devices and Technology**

ENEE601 Semiconductor Devices and Technology; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE413 and ENEE600. Credit only granted for: ENEE601 or ENEE697. Formerly: ENEE697. The principles, structures and characteristics of semiconductor devices. Technology and fabrication of semiconductor devices.

0101	Agisilaos Iliadis	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CHE 2118

ENEE611 **Integrated Circuit Design and Analysis**

ENEE611 Integrated Circuit Design and Analysis; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE610. Credit only granted for: ENEE611 or ENEE696. Formerly: ENEE696. Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

0101	Timothy Horiuchi	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	EGR 1104	

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Adrianos Papamarcou	Seats (Total: 20)	
	MW 5:00pm - 6:15pm	CSI 3120	
	F 11:00am - 11:50am	EGR 0108	Discussion

ENEE621 **Estimation and Detection Theory**

ENEE621 Estimation and Detection Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620; or students who have taken courses with comparable content may contact the department. Estimation of unknown parameters, Cramer-Rao lower bound; optimum (map) demodulation; filtering, amplitude and angle modulation, comparison with conventional systems; statistical decision theory Bayes, minimax, Neyman/Pearson, Criteria-68 simple and composite hypotheses; application to coherent and incoherent signal detection; M-ary hypotheses; application to uncoded and coded digital communication systems.

0101	Prakash Narayan	Seats (Total: 45)	
	MW 11:00am - 12:15pm	CSI 1121	

ENEE626 **Error Correcting Codes**

ENEE626 Error Correcting Codes; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE420; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENEE626 or ENEE722. Formerly: ENEE722. Introduction to linear codes; bounds on the error correction capabilities of codes; convolutional codes with threshold, sequential and viterbi decoding; cyclic random error correcting codes; P-N sequences; cyclic and convolutional burst error correcting codes.

0101	Alexander Barg	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 1104

ENEE627 **Information Theory**

ENEE627 Information Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620. Credit only granted for: ENEE627 or ENEE721. Formerly: ENEE721. Information measures and their properties; entropy, relative entropy and mutual information. Information source models. Lossless data compression: the Kraft inequality, Shannon-Fano and Huffman codes. Typical sequences, asymptotic equipartition property, lossy source coding. Discrete memoryless channels: capacity, channel coding theorem. The additive Gaussian channel. Source coding under a fidelity constraint: rate distortion function and rate distortion theorem.

0101	Sennur Ulukus	Seats (Total: 39)
	TuTh 3:30pm - 4:45pm	JMP 2202

ENEE631 **Digital Image and Video Processing**

ENEE631 Digital Image and Video Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE620 and ENEE630; or students who have taken courses with comparable content may contact the department. Foundations of digital image and video processing. Topics covered: 2-D systems and transforms; image acquisition and perception; multi-dimensional sampling; quantization; linear and non-linear techniques for image enhancement and restoration; basics on image analysis; lossless and lossy image compression; motion estimation and compensation; still image and video coding standards; applications of image and video processing.

0101	KJ Ray Liu	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 1104

ENEE632 **Speech and Audio Processing**

ENEE632 Speech and Audio Processing; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE620 and ENEE630. Credit only granted for: ENEE739A or ENEE632. Formerly: ENEE739A.* The objective is to apply digital signal processing techniques to speech and music signals. Topics covered include acoustic theory of speech production leading to the source-filter model; acoustic and digital vocal-tract models of speech production; speech analysis-synthesis based on the short-time Fourier transform, linear prediction, and homomorphic representations; extensions to other multiresolution analysis; time-domain models for speech processing; auditory perception and speech perception; waveform and model-based speech coding using scalar and vector quantization; time-scale modification; pitch and formant estimation; application of techniques to music analysis-synthesis.

0101	Carol Espy-Wilson	Seats (Total: 30)
	MW 2:00pm - 3:15pm	CHE 2136

ENEE644 **Computer-Aided Design of Digital Systems**

ENEE644 Computer-Aided Design of Digital Systems; (3 credits) Grade Method: REG/AUD.

Design methodologies for digital systems using a modern hardware description language. Algorithmic, architectural and implementation aspects of arithmetic processing elements. Design of Complex Instruction Set (CISC), Reduced Instruction Set (RISC), and floating point processors. Synthesis, simulation and testing of processors with computer-aided design tools. Students in some sections may, on permission, fabricate VLSI chips via MOSIS.

0101	Kazuo Nakajima	Seats (Total: 30)
	MW 12:30pm - 1:45pm	CHE 2136

ENEE645 **Compilers and Optimization**

ENEE645 Compilers and Optimization; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE350 or CMSC216; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENEE645 or ENEE759C. Formerly: ENEE759C.* The compilation, linking and loading process. Using lexical analyzers and parsers. Intermediate forms. Global, stack and heap objects, and their addressing modes. Stack implementation. Control flow analysis and optimization. Dataflow analysis and optimization including Static, single assignment. Alias analysis.

0101	Rajeev Barua	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMP 2202

ENEE651 **Parallel Algorithms**

ENEE651 Parallel Algorithms; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC451; or ENEE641; or students who have taken courses with comparable content may contact the department. Also offered as: CMSC751. Credit only granted for: ENEE651, ENEE759K or CMSC751. Formerly: ENEE759K.* A presentation of the theory of parallel computers and parallel processing. Models of parallel processing and the relationships between these models. Techniques for the design and analysis of efficient parallel algorithms including parallel prefix, searching, sorting, graph problems, and algebraic problems. Theoretical limits of parallelism.

0101	Uzi Vishkin	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EGR 0108

ENEE661 **Nonlinear Control Systems**

ENEE661 Nonlinear Control Systems; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE660; and (MATH410 or MATH411; or students who have taken courses with comparable content may contact the department). Or permission of instructor.* State space methods of stability analysis including second order systems and the phase plane, linearization and stability in the small, stability in the large and Lyapunov's second method. Frequency domain methods including the describing function. Popov's method and functional analytic methods. Introduction to Volterra series representations of nonlinear systems. Applications to conrol system design.

0101	Andre Tits	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 3106

ENEE664 **Optimal Control**

ENEE664 Optimal Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE660 and MATH410; or students who have taken courses with comparable content may contact the department; or permission of instructor. Corequisite: MATH411; or permission of instructor. General optimization and control problems. Conditions of optimality for unconstrained and constrained optimization problems; sensitivity; duality. Introduction to linear and nonlinear programming methods. Dynamic optimization. Discrete time maximum principle and applications. Pontryagin maximum principle in continuous time. Dynamic programming. Feedback realization of optimal control.

0101	Perinkulam Krishnaprasad	Seats (Total: 45)
	MW 3:30pm - 4:45pm	CSI 3117

ENEE681 **Electromagnetic Theory II**

ENEE681 Electromagnetic Theory II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department. Continuation of ENEE 680. Theoretical analysis and engineering applications of Maxwell's equations. The homogeneous wave equation. Plane wave propagation. The interaction of plane waves and material media. Retarded potentials. The Hertz potential. Simple radiating systems. Relativisitic covariance of Maxwell's equations.

0101	Howard Milchberg	Seats (Total: 30)
	MW 2:00pm - 3:15pm	CHE 2118

ENEE691 **Optical Communication Systems**

ENEE691 Optical Communication Systems; (3 credits) Grade Method: REG/AUD.
Optical components and systems. Measures of performance of optical communication systems. Topics include: single and multi-mode optical fibers, DFB and DBR lasers, transmitters and receivers, pin and APD detectors, noise analysis, receiver sensitivity modulation formats, system performance, bit-error-rate, power budget, TDM and WDM systems, network architecture.

0101	Mario Dagenais	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CHE 2116

ENEE698A **Graduate Seminar; Communications**

ENEE698A Graduate Seminar: Communications; (1 credit) Grade Method: REG/AUD/S-F.

0101	Ramalingam Chellappa	Seats (Total: 30)
	Th 5:00pm - 6:15pm	CSI 2120

ENEE698C **Graduate Seminar; Controls**

ENEE698C *(PermReq)* **Graduate Seminar: Controls; (1 credit)** Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Perinkulam Krishnaprasad	Seats (Total: 20)
	W 6:00pm - 6:50pm	CSI 3118

ENEE698D **Graduate Seminar; Electrophysics**

ENEE698D Graduate Seminar: Electrophysics; (1 credit) Grade Method: REG/AUD/S-F.
Also offered as PHYS798D. Click here for more course information.

0101	Phillip Sprangle	Seats (Total: 41)
	W 11:00am - 11:50am	KEB 1200

ENEE698E **Graduate Seminar; Microelectronics**

ENEE698E Graduate Seminar: Microelectronics; (1-2 credits) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Robert Newcomb	Seats (Total: 20)
	Tu 5:00pm - 5:50pm	CSI 2118

ENEE698Q **Graduate Seminar; Colloquium Series**

ENEE698Q Graduate Seminar: Colloquium Series; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Ramalingam Chellappa	Seats (Total: 80)
	F 3:00pm - 4:00pm	KEB 1110

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE739B **Advanced Topics in Signal Processing; Neural Signal Processing**

ENEE739B Advanced Topics in Signal Processing: Neural Signal Processing; (3 credits) Grade Method: REG/AUD.
Presents signal processing and statistical methods used to study neural systems and analyze neurophysiological data in seminar format. Topics include: state-space modeling and estimation; theory of point processes; EM algorithm; Bayesian and sequential Monte Carlo methods; dynamic analyses of neural encoding, neural spike train decoding, and studies of neural receptive field plasticity; EEG and MEG source localization; and special topic: sparsity in neural inverse problems.

0101	Behtash Babadi	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CHE 2136

ENEE750 **VLSI Design Automation**

ENEE750 VLSI Design Automation; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE640. Restriction: Permission of instructor. Design process of VLSI circuits and systems; Computer-Aided Design (CAD) tools; system partitioning, floorplanning, placement, global and detailed routing; Field Programmable Gate Arrays (FPGAs), Multi-Chip Modules (MCMs), Printed Circuit Boards (PCBs), possible chip fabrication by MOSIS and subsequent chip testing.

0101	Kazuo Nakajima	Seats (Total: 30)
	MW 3:30pm - 4:45pm	ITV 1100

ENEE759L **Advanced Topics in Computer Engineering; Cloud Computing Security**

ENEE759L Advanced Topics in Computer Engineering: Cloud Computing Security; (3 credits) Grade Method: REG/AUD.
Also offered as CMSC818L. Credit will be granted for CMSC818L or ENEE759L. A study of current research work (both theoretical and applied) on protocols and systems that provide security in the cloud. Most of the class will focus on reading and presenting research papers. By the end of the class the students will be expected to have a good knowledge of the current cloud computing security research landscape (i.e., most important technologies, techniques and algorithms) and to be able to contribute to both theoretical and applied research in the field.

0101	Charalampos Papamanthou	Seats (Total: 20)
	MW 11:00am - 12:15pm	EGR 1104

ENEE790 **Quantum Electronics I**

ENEE790 Quantum Electronics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have knowledge of quantum mechanics; or permission of instructor.
Spontaneous emission, interaction of radiation and matter, masers, optical resonators, the gas, solid and semi-conductor lasers, electro-optical effect, propagation in anisotropic media and light modulation.

0101	Edo Waks	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSS 2416

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Spring 2014

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Evandro Valente MW 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 38) JMP 1116 ONLINE
0102	Jackelyn Lopez Roshwalb MW 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 30) JMP 1215 ONLINE
0201	George Syrmos TuTh 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 38) JMP 1116 ONLINE
0301	Evandro Valente MW 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 38) JMP 1116 ONLINE

0401	Stephen Kamakaris TuTh 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 38) JMP 1116 ONLINE
0501	Christopher Davis MW 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 30) JMP 1116 ONLINE
0502	Evandro Valente MW 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 18) JMP 1215 ONLINE
0601	Jackelyn Lopez Roshwalb TuTh 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 30) JMP 1116 ONLINE
0602	Ayush Gupta TuTh 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 15) JMP 1215 ONLINE
0701	Peter Kofinas MW 4:00pm - 5:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 32) JMP 1116 ONLINE
0702	Nicholas Wagman MW 4:30pm - 6:20pm	Seats (Total: 15) JMP 1215

ENES100A **Introduction to Engineering Design**

ENES100A *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills. Restricted to non-engineering students.

0101	Evandro Valente MW 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 10) JMP 1116 ONLINE
0102	Jackelyn Lopez Roshwalb MW 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 10) JMP 1215 ONLINE
0201	George Syrmos TuTh 10:00am - 11:50am Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 10) JMP 1116 ONLINE
0301	Evandro Valente MW 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 10) JMP 1116 ONLINE
0302	Wesley Lawson MW 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 40) JMP 1215 ONLINE
0401	Stephen Kamakaris TuTh 12:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 10) JMP 1116 ONLINE
0501	Christopher Davis MW 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 18) JMP 1116 ONLINE
0502	Evandro Valente MW 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 22) JMP 1215 ONLINE
0601	Jackelyn Lopez Roshwalb TuTh 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 18) JMP 1116 ONLINE

0602	Ayush Gupta TuTh 2:00pm - 3:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 25) JMP 1215 ONLINE	
0701	Peter Kofinas MW 4:00pm - 5:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 16) JMP 1116 ONLINE	
0702	Nicholas Wagman MW 4:30pm - 6:20pm	Seats (Total: 25) JMP 1215	

ENES102 **Mechanics I**

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Peter Chang MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 51) HBK 0115 CSS 2428	 Discussion
0201	Mary Bowden TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 49) EGR 0110 CHM 2201	 Discussion
0401	Gary Pertmer MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 50) PLS 1130 HBK 0115	 Discussion
0601	Thomas Beigel MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) CHM 0115 CHM 0115	 Discussion

0701	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 50) CHM 0115 CHM 0115	 Discussion
0801	Robert Bonenberger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) HBK 0115 CSI 1122	 Discussion
0901	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 50) CSS 2428 SYM 0200	 Discussion

ENES108 **Achieving College Success: First Year Transition**

ENES108 *(PermReq)* **Achieving College Success: First Year Transition; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Taifa Simpson M 6:00pm - 6:50pm	Seats (Total: 16) EGR 3114

ENES114 **Virtus Seminar II**

ENES114 Virtus Seminar II; (1 credit) Grade Method: REG.
Prerequisite: ENES113. Restriction: Students must be participants in the Virtus Living and Learning Community. Focus on personal and professional development with engineering with a strong emphasis on career development. Learn to employ strategies and skills for academic and professional success.

0101	Catherine Donohoe W 4:00pm - 5:15pm	Seats (Total: 50) CSS 2428
0201	Catherine Donohoe Contact instructor or department for details.	Seats (Total: 20)

ENES116 **FLEXUS Living and Learning Community Seminar II**

ENES116 FLEXUS Living and Learning Community Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES215, ENES115, and ENES116. Restriction: Must be a second year FLEXUS participant (coded as WCY). The seminar focuses on personal and professional development by enhancing technical ability, understanding educational options through minors and student projects in engineering, identifying and employing strategies and skills for academic and professional success, and developing career commitment through networking and mentoring. Students develop professional portfolios in preparation for a future internship or job.

0101	Veronica Perrigan, Paige Smith W 4:00pm - 5:15pm	Seats (Total: 60) KEB 1110
0102	Veronica Perrigan, Paige Smith Contact instructor or department for details.	Seats (Total: 10)

ENES140 **Discovering New Ventures**

ENES140 Discovering New Ventures; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program. Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.

0101	James Green Class time/details on ELMs	Seats (Total: 400) ONLINE

ENES190H **Introduction to Design and Quality**

ENES190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Also offered as: BMGT190. Credit only granted for: BMGT190 or ENES190.* Expose engineering and business students to the principles of total quality, using experiential team learning and technology aided approaches. The first of four courses in total quality. Restricted to QUEST program students. Also offered as BMGT190H.

0101	Joseph Bailey	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm	VMH 1303	
	W 7:00pm - 8:50pm	VMH 1202	Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

0101	James Green, Satish Tamboli	Seats (Total: 60)	
	TuTh 11:00am - 12:15pm	SCC 2121	

ENES214 **Virtus Seminar IV**

ENES214 *(PermReq)* **Virtus Seminar IV; (1 credit)** Grade Method: REG. *Prerequisite: Students must have completed ENES213. Restriction: Students must be participants in the Virtus Living and Learning Community.* Students continue to develop their leadership and mentoring skills, participate in networking opportunities and explore their interest in special engineering topics.

0101	Tamara Fuller	Seats (Total: 40)	
	Th 4:00pm - 5:15pm	CHM 1224	

ENES216 **FLEXUS Living and Learning Community Seminar IV**

ENES216 FLEXUS Living and Learning Community Seminar IV; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES115, ENES116, and ENES215. Restriction: Restricted to second year FLEXUS participants. The seminar focuses on gender diversity and its cross-sections with culture. Students continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning. Students will also complete a culminating semester project.

0101	Paige Smith Th 4:00pm - 5:15pm	Seats (Total: 30) EGR 0108	
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 20)	

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program. Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 57) CHM 0115 CHM 0115	 Discussion
0102	Bongtae Han MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 63) CSI 3117 CSI 3117	 Discussion
0103	Teng Li MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 60) CSI 3117 PLS 1140	 Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space. Engineering College (04) only.

0101	Jarrod Bonsmann TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 63) CSS 2324 KEB 1110	 Discussion
0102	Thomas Brodrick M 5:00pm - 6:50pm W 5:00pm - 6:50pm	Seats (Total: 45) CHE 2118 CHE 2118	 Discussion
0104	Jarrod Bonsmann TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 63) CHE 2110 SPH 1301	 Discussion

ENES232 **Thermodynamics**

ENES232 Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 60) CSI 2117 CSI 2117	 Discussion
0201	Kristen Hines MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 60) CSI 1115 PHY 1201	 Discussion
0301	Christopher Cadou MW 3:00pm - 3:50pm F 2:00pm - 3:50pm	Seats (Total: 60) PLS 1130 PLS 1130	 Discussion

0401	William Fourney MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 50) CSS 2400 CHE 2118	 Discussion
0501	Kevin Calabro MW 3:00pm - 3:50pm F 2:00pm - 3:50pm	Seats (Total: 50) PHY 1201 SPH 1303	 Discussion

ENES304 **RISE Seminar**

ENES304 RISE Seminar; (1 credit) Grade Method: REG.
Restriction: Must be in the Engineering RISE Leadership Program; and permission of ENGR-A. James Clark School of Engineering. This course will focus on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government.

0101	Christopher Davis Th 5:00pm - 5:50pm	Seats (Total: 50) EGR 0110	

ENES317 **Introduction to Engineering Leadership**

ENES317 Introduction to Engineering Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government. Restricted to students in the Engineering Leadership Development minor. All others may go on the holdfile.

0101	Ramsey Jabaji M 5:00pm - 7:45pm	Seats (Total: 30) JMP 1202	

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES190 or BMGT190. Restriction: Must be in the QUEST program. Also offered as: BMGT390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking.

0101	Jose Suarez MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1418
0201	Jose Suarez MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1418

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 *(PermReq)* **Science, Technology and Society: Certificate Program Capstone; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in the Science, Technology and Society certificate program; or permission of ENGR-A. James Clark School of Engineering. Credit only granted for: ENES440 or UNIV401. Formerly: UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	David Tomblin W 1:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 25) CCC 1115

ENES458B **Topics in International Engineering; Engineers Without Borders: Leadership Seminar_ Brazil Contact department for information to register for this course.**

ENES462 **Marketing High-Technology Products and Innovations**

ENES462 Marketing High-Technology Products and Innovations; (3 credits)
Grade Method: REG/P-F/AUD.
Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

0101	James Green Th 3:30pm - 6:30pm *Restricted to student in the Hinman CEO Program.*	Seats (Total: 60) SCC 2121
0201	Cait von Schnetlage, James Green F 12:00pm - 3:00pm *Restricted to student in the Hillman Entrepreneurs Program.*	Seats (Total: 36) JMP 1109

ENES463 **Strategies for Managing Innovation**

ENES463 Strategies for Managing Innovation; (3 credits) Grade Method: REG/P-F/AUD.
Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks. Restricted to students in the Minor in Technology Entrepreneurship.

0101	Thomas Mierzwa Class time/details on ELMs	Seats (Total: 100) ONLINE

ENES464 **International Entrepreneurship and Innovation**

ENES464 International Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD.
Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.

0101	James Green, Shyam Chidamber Th 3:30pm - 6:30pm *Restricted to student in the Hinman CEO Program.*	Seats (Total: 40) SCC2 2107
0201	Shyam Chidamber F 12:00pm - 3:00pm *Restricted to students in the Hillman Entrepreneurs Program (HENT).*	Seats (Total: 50) POT 2111

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency. *Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.* The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01), in engineering leadership development (#EN04), in global poverty (#AG06), in terrorism studies (#BS07), or in international development and conflict management (#BS02). All other students can be placed on a hold file.

0101	Jane Fines Th 6:00pm - 7:45pm Class time/details on ELMs	Seats (Total: 45) CHM 1224 ONLINE

ENES474 **Global Perspectives of Engineering**

ENES474 *(PermReq)* **Global Perspectives of Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; or permission of ENGR-A. James Clark School of Engineering. Restriction: Must be in the International Engineering Minor. Credit only granted for: ENES458M or ENES474. Formerly: ENES458M. Faculty supervised research on aspects of engineering in a foreign country including leading fields of research, key world markets, and the culture of the engineering workplace. Students will produce a comprehensive report exhibiting their expertise in their chosen country and the field of engineering within.

0101	Jane Fines	Seats (Total: 5)
	W 12:00pm - 12:50pm	PLS 1162
	Class time/details on ELMs	ONLINE

ENES481 **Engineering Honors Seminar II**

ENES481 Engineering Honors Seminar II; (1 credit) Grade Method: REG.
Restriction: Must be in College of Engineering Honors; and junior standing or higher. Introduction to engineering creativity and innovation in engineering. Application of methods of creativity to topics in communication, conducting research, and leadership.

0101	Richard McCuen	Seats (Total: 20)
	W 12:00pm - 12:50pm	EGR 1110

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Baras	Seats (Total: 60)	
	Th 3:30pm - 4:45pm	ANS 0408	
	Tu 3:30pm - 6:30pm	AVW 2250	Lab

ENES498E **Special Topics in Entrepreneurship; Entrepreneurship in Chemical and Life Sciences**

ENES498E Special Topics in Entrepreneurship: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CHEM498E.

0101	Martha Connolly, Ben Woodard, Frederick Khachik Th 2:00pm - 4:45pm	Seats (Total: 30) POT 2111	

ENES498R **Special Topics in Entrepreneurship; Fearless Founders: New Venture Practicum**

ENES498R *(PermReq)* **Special Topics in Entrepreneurship: Fearless Founders: New Venture Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Also offered as BMGT468R.

0101	Elana Fine F 1:00pm - 4:00pm	Seats (Total: 26) VMH 1411	

ENES499 **Senior Projects in Engineering**

ENES499 *(PermReq)* **Senior Projects in Engineering; (3 credits)** Grade Method: REG.
Prerequisite: Permission of ENGR-A. James Clark School of Engineering.

0101	Kevin Calabro, Romel Gomez Contact instructor or department for details. Tu 4:00pm - 4:50pm	Seats (Total: 24) JMP 1215	Discussion

ENES601 **Future Faculty Program Seminar I**

ENES601 *(PermReq)* **Future Faculty Program Seminar I; (1 credit)** Grade Method: REG/AUD.
Restriction: Must be in the Clark School Future Faculty Program. Introduction to and development of skills necessary to obtain and succeed in a university faculty position. Emphasis on technical writing and effective presentations. Discussion of research diversification, networking, ethics and professionalism.

0101	Amr Baz Th 4:00pm - 5:15pm	Seats (Total: 25) EGR 1108

ENES603 **Future Faculty Program Seminar III**

ENES603 *(PermReq)* **Future Faculty Program Seminar III; (1 credit)** Grade Method: REG/AUD.
Restriction: Must be in the Clark School Future Faculty Program. Developing a successful faculty research program. Establishing and maintaining a research group. Finding funding opportunities and writing grant proposals. Mentoring graduate students. Faculty position application process. Preparing research and teaching statements.

0101	Ichiro Takeuchi	Seats (Total: 25)
	Th 3:30pm - 4:30pm	KEB 1200

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 Future Faculty Program Teaching Practicum; (1 credit) Grade Method: REG/AUD.
Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course. Restricted to the students in the Future Faculty program.

0101	Peter Kofinas	Seats (Total: 25)
	Contact instructor or department for details.	

ENFP Engineering, Fire Protection Spring 2014

ENFP101 **Hot Topics in Fire Protection Engineering**

ENFP101 Hot Topics in Fire Protection Engineering; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 108 or ENFP 101. Formerly: ENFP108. Current issues of importance to fire protection engineering. Topics focus on advances in basic fire science, computerized fire modeling, safety systems, human behavior and fire, fire toxicity, risk analysis, performance based fire safety, fire reconstruction, arson and evidence, voluntary fire safety standards, codes, and relations with other disciplines including architecture and the built environment, loss prevention and fire insurance.

0101	James Milke M 12:00pm - 12:50pm	Seats (Total: 20) JMP 1109	

ENFP300 **Fire Protection Fluid Mechanics**

ENFP300 *(PermReq)* **Fire Protection Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246; and must have completed or be concurrently enrolled in PHYS260 and PHYS261. Restriction: Permission of ENGR-Fire Protection Engineering department. Presents students with the fundamental properties of fluids and fluid movement. Both static and dynamic fluid problems will be considered with an emphasis on fire protection systems.

0101	Michael Gollner Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 45) ITV 1111 ITV 1111	 Discussion

ENFP320 **Fire Assessment Methods and Laboratory**

ENFP320 *(PermReq)* **Fire Assessment Methods and Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP312. Restriction: Must be in Engineering: Fire Protection program. Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

0101	Peter Sunderland TuTh 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 10) ITV 1100 JMP 3229	 Lab
0102	Peter Sunderland TuTh 12:30pm - 1:45pm Th 3:00pm - 4:15pm	Seats (Total: 10) ITV 1100 JMP 3229	 Lab
0103	Peter Sunderland TuTh 12:30pm - 1:45pm Th 4:00pm - 5:15pm	Seats (Total: 10) ITV 1100 JMP 3229	 Lab
0104	Peter Sunderland TuTh 12:30pm - 1:45pm F 10:00am - 11:15am	Seats (Total: 10) ITV 1100 JMP 3229	 Lab

ENFP350 **Professional Development Seminar**

ENFP350 *(PermReq)* **Professional Development Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Fire Protection Engineering department. Restriction: Junior standing or higher. Credit only granted for: ENFP350 or ENFP450. Formerly: ENFP450. An integrative, upper level professional development seminar covering topics such as engineering ethics, professional licensing, codes and standards, intellectual property, career selection and various contemporary issues in fire protection engineering.

0101	Michael Gollner	Seats (Total: 40)
	Tu 3:30pm - 4:50pm	ITV 1100

ENFP410 **Advanced Fire Suppression**

ENFP410 *(PermReq)* **Advanced Fire Suppression; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP310 and ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 410, ENFP489L, ENFP 653, or ENFP629C. Analysis of application and theory of fire suppression systems. The key elements of fire suppression systems will be discussed along with how they interact for effective fire suppression design. Physical mechanisms for a variety of fire suppression approaches will be discussed including hose streams, sprinklers, water mist, foam, clean agents, and chemical agents.

0101	Jon Scheer	Seats (Total: 30)
	TuTh 9:30am - 10:45am	KEB 1200

ENFP411 **Risk-Informed Performance Based Design**

ENFP411 *(PermReq)* **Risk-Informed Performance Based Design; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Senior standing; or permission of ENGR-Fire Protection Engineering department. Appraisal and measurement of fire safety. Application of systems analysis, probability theory, engineering economy and risk management in the identification and synthesis of components of fire protection engineering. Methods for the development of criteria for the design, evaluation and assessment of fire safety or component hazards.

0101	James Milke M 5:30pm - 8:15pm	Seats (Total: 45) EGR 0110

ENFP426 **Computational Methods in Fire Protection**

ENFP426 *(PermReq)* **Computational Methods in Fire Protection; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP425. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP426 or ENFP416. Introduction to computer-based fire modeling: zone modeling and Computational Fluid Dynamics (CFD); documentation of input data, validation and verification tests.

0101	Arnaud Trouve MW 2:00pm - 3:15pm	Seats (Total: 45) EGR 1108

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP440 **Smoke Management and Fire Alarm Systems**

ENFP440 *(PermReq)* **Smoke Management and Fire Alarm Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP627. Credit only granted for: ENFP440 or ENFP627. Analysis of hazard posed by smoke in buildings. Performance characteristics of smoke management systems. Review of analytical design aids. Functional analysis and design of fire detection and alerting systems. Examination and evaluation of code criteria, performance specifications and research.

0101	Duane Johnson, James Milke TuTh 11:00am - 12:15pm	Seats (Total: 38) HBK 0115

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489I **Special Topics; Industrial Fire Safety**

ENFP489I *(PermReq)* **Special Topics: Industrial Fire Safety; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Noah Ryder, Arnaud Trouve	Seats (Total: 20)
	MW 4:00pm - 5:15pm	EGR 0135

ENFP611 **Fire Induced Flows**

ENFP611 *(PermReq)* **Fire Induced Flows; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENFP415. Theoretical basis is presented for fire induced bouyancy driven flows. Plumes, ceiling jets, vent flows, compartment flows. Dimensional analysis for correlations and scale model applications. Smoke movement and combustion products.

0101	Andre Marshall	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 1102

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Arnaud Trouve	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

ENFP627 **Smoke Detection and Management**

ENFP627 Smoke Detection and Management; (3 credits) Grade Method: REG. *Prerequisite: ENFP300. Also offered as: ENFP440. Credit only granted for: ENFP627 or ENFP440.* Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

0101	James Milke, Duane Johnson TuTh 11:00am - 12:15pm	Seats (Total: 10) HBK 0115
EF01	James Milke **Meets March 4, 2014 - May 22, 2014** Class time/details on ELMs	Seats (Total: 40) ONLINE

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629I **Selected Topics; Industrial Fire Safety**

ENFP629I *(PermReq)* **Selected Topics: Industrial Fire Safety; (3 credits)** Grade Method: REG/AUD.

0101	Arnaud Trouve, Noah Ryder MW 4:00pm - 5:15pm	Seats (Total: 15) EGR 0135

ENFP629M **Selected Topics; Material Flammability**

ENFP629M *(PermReq)* **Selected Topics: Material Flammability; (3 credits)** Grade Method: REG/AUD.
The fundamental mechanisms responsible for gaseous fuel generation by heated polymeric solids are examined. Experimental techniques frequently applied to the analysis of these mechanisms are surveyed and a theoretical framework describing these mechanisms is developed. This framework is applied to analysis of a range of standard flammability assessment methods including constant surface burning and flame spreading scenarios. Approaches to augmentation of material composition to improve their fire resistance are discussed

0101	Stanislav Stoliarov	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 3114

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP663 **Advanced Fire Risk Modeling**

ENFP663 Advanced Fire Risk Modeling; (3 credits) Grade Method: REG/AUD. *Credit only granted for: ENFP629R or ENFP663. Formerly: ENFP629R.* This on-line course addresses the fundamentals of fire risk modeling from both theoretical and applied perspectives.

EF01	Francisco Joglar	Seats (Total: 40)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Spring 2014

ENGL101 Academic Writing

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, CLICK HERE TO VISIT THE ENGLISH DEPARTMENT WEBSITE

English as a second language classes are listed under UMEI.

ENGL101 Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.

An introductory course in expository writing. Students with a TSWE score of 33 or below must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

0101	William Pittman MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0120
0102	Ena Djordjevic MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0123
0103	Shaun Gannon MWF 9:00am - 9:50am	Seats (Total: 19) KEY 0124
0104	Kshiti Vaghela MWF 9:00am - 9:50am	Seats (Total: 19) WDS 1130
0105	Adam Binkley MWF 9:00am - 9:50am	Seats (Total: 19) PLS 1180
0106	Jennifer Ausden MWF 9:00am - 9:50am	Seats (Total: 19) SQH 1107
0201	Ena Djordjevic MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0123
0202	Peter Grybauskas MWF 10:00am - 10:50am	Seats (Total: 19) ASY 3221
0203	Shaun Gannon MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0124
0204	Audrey Farley MWF 10:00am - 10:50am	Seats (Total: 19) SQH 1107

0205	Kshiti Vaghela MWF 10:00am - 10:50am	Seats (Total: 19) SKN 1115
0206	Catherine Bayly MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1115
0301	Lindsay Fowler MWF 11:00am - 11:50am	Seats (Total: 19) SQH 1107
0302	Uchechi Okereke-Beshel MWF 11:00am - 11:50am	Seats (Total: 19) WDS 0104
0303	David Brookshire MWF 11:00am - 11:50am	Seats (Total: 19) SQH 1105
0304	Sarah Treadwell MWF 11:00am - 11:50am	Seats (Total: 19) PLS 1162
0305	Lisa Kirch MWF 11:00am - 11:50am	Seats (Total: 19) ARC 1103
0306	Radford Skudrna MWF 11:00am - 11:50am	Seats (Total: 19) SQH 2122
0307	Ellen Moll MWF 11:00am - 11:50am	Seats (Total: 19) BPS 1124
0309	Adam Binkley MWF 11:00am - 11:50am	Seats (Total: 12) CCC 1105
0310	Catherine Bayly MWF 11:00am - 11:50am	Seats (Total: 14) CCC 1115
0401	Anne Price MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 1107
0402	Virginia Butler MWF 12:00pm - 12:50pm	Seats (Total: 19) KEY 0119
0403	Radford Skudrna MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 2122

0404	Laura Williams MWF 12:00pm - 12:50pm	Seats (Total: 19) KEY 0120
0406	Lisa Kirch MWF 12:00pm - 12:50pm	Seats (Total: 19) KNI 1105
0407	Sarah Treadwell MWF 12:00pm - 12:50pm	Seats (Total: 19) PLS 1164
0408	William Pittman MWF 12:00pm - 12:50pm	Seats (Total: 19) PLS 1168
0501	Ali Goldstein MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0120
0502	Eric Kozlik MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0119
0503	Karen Krahling-Haddad MWF 1:00pm - 1:50pm	Seats (Total: 19) KEY 0124
0504	Katherine Herman MWF 1:00pm - 1:50pm	Seats (Total: 19) SQH 2120
0505	Amanda Giffi MWF 1:00pm - 1:50pm	Seats (Total: 19) KNI 1105
0507	Rachel Carstens MWF 1:00pm - 1:50pm	Seats (Total: 19) PLS 1158
0601	Laura Williams MWF 2:00pm - 2:50pm	Seats (Total: 19) KEY 0125
0602	Sarah Sillin MWF 2:00pm - 2:50pm	Seats (Total: 19) SQH 1105
0603	Amanda Giffi MWF 2:00pm - 2:50pm	Seats (Total: 19) KNI 1105
0604	Katherine Herman MWF 2:00pm - 2:50pm	Seats (Total: 19) SQH 2120

0605	Rachel Carstens MWF 2:00pm - 2:50pm	Seats (Total: 19) PLS 1146
0606	James Hodapp MWF 2:00pm - 2:50pm	Seats (Total: 19) JMZ 1120
1001	Eleanor Tipton TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0205
1002	Sharon Higby TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0201
1101	Sharon Higby TuTh 9:30am - 10:45am	Seats (Total: 19) SKN 1112
1102	John Kim TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0201
1103	James Goodwin TuTh 9:30am - 10:45am	Seats (Total: 19) BPS 1124
1104	Jamison Kantor TuTh 9:30am - 10:45am	Seats (Total: 19) SQH 1105
1105	Katherine Young TuTh 9:30am - 10:45am	Seats (Total: 19) CHE 2145
1106	Emily Lyons TuTh 9:30am - 10:45am	Seats (Total: 19) KNI 1103
1107	Eleanor Tipton TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0121
1201	John Kim TuTh 11:00am - 12:15pm	Seats (Total: 19) WDS 0104
1202	Jee Yoon Lee TuTh 11:00am - 12:15pm	Seats (Total: 19) SYM 0209
1203	Ashlie Kauffman TuTh 11:00am - 12:15pm	Seats (Total: 19) SKN 1112

1204	Katherine Young TuTh 11:00am - 12:15pm	Seats (Total: 19) CHE 2136
1205	Emily Lyons TuTh 11:00am - 12:15pm	Seats (Total: 19) BPS 1232
1206	Ruth Morris TuTh 11:00am - 12:15pm	Seats (Total: 19) WDS 1127
1301	Rachel Waugh TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 2120
1302	Elizabeth Acevedo TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 2121
1303	Stephen Schuyler TuTh 12:30pm - 1:45pm	Seats (Total: 19) SQH 2119
1304	Tyler Goldman TuTh 12:30pm - 1:45pm	Seats (Total: 19) KNI 1103
1305	Jee Yoon Lee TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1158
1306	Sarah Pleydell TuTh 12:30pm - 1:45pm	Seats (Total: 19) PLS 1111
1307	Susan Pramschufer TuTh 12:30pm - 1:45pm	Seats (Total: 19) KEY 0120
1401	Kathryn Kaczmarek TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2117
1402	Carissa Halston TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1172
1403	Taylor Adams TuTh 2:00pm - 3:15pm	Seats (Total: 19) PLS 1117
1404	Emilee Durand TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 1120

1405	Sarah Pleydell TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0208
1406	James Goodwin TuTh 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0118
BL01	Lyra Hilliard M 9:30am - 10:45am W 9:30am - 10:45am *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) KNI 1103 ONLINE
BL02	Lyra Hilliard M 11:00am - 12:15pm W 11:00am - 12:15pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 1121 ONLINE
BL03	Lyra Hilliard M 12:30pm - 1:45pm W 12:30pm - 1:45pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 1103 ONLINE
BL04	Douglas Kern M 2:00pm - 3:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) EDU 0202 ONLINE
BL05	Joani Elliott MF 12:00pm - 12:50pm Class time/details on ELMs *This class meets in person twice a week; the other class work is done online.*	Seats (Total: 19) ARC 1123 ONLINE
BL06	Joani Elliott MF 1:00pm - 1:50pm Class time/details on ELMs *This class meets in person twice a week; the other class work is done online.*	Seats (Total: 19) ARC 1123 ONLINE
BL07	Douglas Kern Tu 9:30am - 10:45am Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 2120 ONLINE

BL08	Nabila Hijazi Tu 11:00am - 12:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) ARC 1121 ONLINE
BL09	David Brookshire Tu 12:30pm - 1:45pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) JMZ 2120 ONLINE
BL10	David Brookshire Tu 2:00pm - 3:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 19) SQH 1121 ONLINE

ENGL101A **Academic Writing**

ENGL101A Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Students must take ENGL 101A rather than ENGL 101 if their TSWE score (a subscore of the SAT verbal) is 33 or below. Classes are limited to 15 students.

1701	Stephanie Allen TuTh 9:30am - 10:45am	Seats (Total: 15) EDU 0202
1702	Peter Grybauskas MWF 11:00am - 11:50am	Seats (Total: 15) LEF 1221

ENGL101S **Academic Writing**

ENGL101S Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Restricted to College Park Scholars.

0109	Kirk Greenwood MWF 9:00am - 9:50am	Seats (Total: 19) CCC 1105
0209	Adam Binkley MWF 10:00am - 10:50am	Seats (Total: 19) CCC 1105

0309	Adam Binkley MWF 11:00am - 11:50am	Seats (Total: 7) CCC 1105
0310	Catherine Bayly MWF 11:00am - 11:50am	Seats (Total: 5) CCC 1115
0409	Catherine Bayly MWF 12:00pm - 12:50pm	Seats (Total: 19) CCC 1105
0410	Heather McHale MWF 12:00pm - 12:50pm	Seats (Total: 19) CCC 1115
0508	Heather McHale MWF 1:00pm - 1:50pm	Seats (Total: 19) CCC 1105
1107	Justin Lohr TuTh 9:30am - 10:45am	Seats (Total: 19) CCC 1115
1208	Justin Lohr TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1115
1209	Christopher Hazlett TuTh 11:00am - 12:15pm	Seats (Total: 19) CCC 1105
1308	Christopher Hazlett TuTh 12:30pm - 1:45pm	Seats (Total: 19) CCC 1115
1407	Carlea Holl-Jensen TuTh 2:00pm - 3:15pm	Seats (Total: 19) CCC 1105

ENGL101X **Academic Writing**

ENGL101X Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to advisors: 1) a minimu m score of 100 on the iBT 2) a minimum score of 7 on the IELTS or 3) successful completion of UMEI 005, Advanced English as a Foreign Language, Semi-Intensive.

2003	Taylor Adams TuTh 11:00am - 12:15pm	Seats (Total: 18) EDU 0114
2004	William Pittman MWF 10:00am - 10:50am	Seats (Total: 18) LEF 1201
2005	Ellen Moll MWF 12:00pm - 12:50pm	Seats (Total: 18) PLS 1184
2006	Justin Lohr MWF 12:00pm - 12:50pm	Seats (Total: 18) ARC 1125

ENGL201 **Inventing Western Literature: Ancient and Medieval Traditions**

ENGL201 Inventing Western Literature: Ancient and Medieval Traditions; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

0101	Jennifer Ross MWF 2:00pm - 2:50pm	Seats (Total: 30) TWS 1106

ENGL202 **Inventing Western Literature: Renaissance to Modern**

ENGL202 Inventing Western Literature: Renaissance to Modern; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

0101	Michael Colson MWF 11:00am - 11:50am	Seats (Total: 30) TYD 1118

ENGL206 **Shakespeare**
Contact department for information to register for this course.

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	Janet Hearn	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	SQH 2121

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	John Macintosh	Seats (Total: 30)
	MWF 10:00am - 10:50am	TWS 1106

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0101	Katherine Stanutz	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ARC 1103

ENGL233 **Introduction to Asian American Literature**

ENGL233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed AAST233. Also offered as: AAST233. Credit only granted for: AAST233, AAST298L, or ENGL233.* A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Emily Perez TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 1105

ENGL234 **African-American Literature and Culture**

ENGL234 African-American Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America.

0101	Sarah Sillin MWF 1:00pm - 1:50pm	Seats (Total: 30) SQH 1105
0201	Joslyn Bloomfield TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1103

ENGL243 **What is Poetry?**

ENGL243 What is Poetry?; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0101	Emily Banks MWF 11:00am - 11:50am	Seats (Total: 30) SQH 2117

0201	Mason Henderson MWF 2:00pm - 2:50pm	Seats (Total: 30) SQH 2121	
0301	Timothy Demay TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0125	
0401	Lindsay Bernal TuTh 3:30pm - 4:45pm	Seats (Total: 30) TWS 0236	

ENGL244 **The Play's the Thing**

ENGL244 The Play's the Thing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Robert Wakeman TuTh 9:30am - 10:45am	Seats (Total: 30) SQH 2117	

ENGL245 **Film Form and Culture**

ENGL245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.
Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Brian Davis TuTh 12:30pm - 1:45pm Tu 6:10pm - 8:40pm	Seats (Total: 30) SQH 1103 TWS 1100	 Lab
0201	Marit Knollmueller MW 2:00pm - 3:15pm M 3:30pm - 6:00pm	Seats (Total: 30) TWS 0234 TWS 1100	 Lab

0301	Marit Knollmueller MW 11:00am - 12:15pm M 3:30pm - 6:00pm	Seats (Total: 30) KEY 0123 TWS 1100	 Lab
0401	Paul Cote TuTh 3:30pm - 4:45pm Th 5:00pm - 7:30pm	Seats (Total: 30) SQH 1103 TWS 1106	 Lab

ENGL250 **Reading Women Writing**

ENGL250 Reading Women Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255. Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0101	Isabella Cooper MWF 12:00pm - 12:50pm	Seats (Total: 30) WDS 1114
0201	Elizabeth Depriest TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 1107

ENGL255 **Literature of Science and Technology**

ENGL255 Literature of Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: ENGL255 or ENGL278T. Formerly: ENGL278T. Examines science and technology through the lens of British and American literature, primarily between 1800 and the present. Readings from early natural and experimental philosophers of the Scientific Revolution and Enlightenment. How literary works represent the ethics of science and technology; beneficial developments of science, and also heavy toll of industrialization. Writers studied may include Francis Bacon, Mary Shelley, Charles Darwin, H.G. Wells, Albert Einstein, Aldous Huxley, Richard Feynman, Philip K. Dick, Octavia Butler, Michael Frayn, and Tom Stoppard.

0101	Kelly Singleton	Seats (Total: 30)
	MWF 10:00am - 10:50am	SQH 1105

ENGL262 **Introduction to the Hebrew Bible/Old Testament**
Contact department for information to register for this course.

ENGL265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

ENGL265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265. Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	Rachel Penman	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1105

ENGL269B **Special Topics in Study Abroad II; Writing Workshop I**
Contact department for information to register for this course.

ENGL269C **Special Topics in Study Abroad II; Writing Workshop II**

ENGL269C Special Topics in Study Abroad II: Writing Workshop II; (3 credits)
Grade Method: REG/P-F/AUD.

SA23	Instructor: TBA Contact instructor or department for details.	Seats (Total: 0)

ENGL269R **Special Topics in Study Abroad II; Writing Rome**
Contact department for information to register for this course.

ENGL269X **Special Topics in Study Abroad II; Theories of Text**
Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

ENGL271 Writing Poems and Stories: An Introductory Workshop; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	William Fargason TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 2122
0201	Ashlie Kauffman TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2120
0301	Mary Foster MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0123

ENGL272 **Writing Fiction: A Beginning Workshop**

ENGL272 Writing Fiction: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Rachel Waugh TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 1107
0201	Blaire Perel TuTh 9:30am - 10:45am	Seats (Total: 20) SQH 1123
0301	Kendisan Kusumaatmadja MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 2119
0401	Carlea Holl-Jensen TuTh 12:30pm - 1:45pm	Seats (Total: 20) BPS 1234

ENGL273 **Writing Poetry: A Beginning Workshop**

ENGL273 Writing Poetry: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Timothy Demay TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1215
0201	Eric Kozlik MW 11:00am - 12:15pm	Seats (Total: 20) PLS 1158

ENGL274 **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

ENGL274 Creative Writing Through The Eyes of African Americans: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed ENGL278C, AASP298W, ENGL271, ENGL274, ENGL294, ENGL294N, or AASP274. Also offered as: AASP274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: ENGL278C. Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process. Also offered as AASP298W.

0101	Dorothy Phaire TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

ENGL278D **Special Topics in Literature; Writing to be Seen: Scriptwriting for Theatre, Film and Television**

ENGL278D Special Topics in Literature: Writing to be Seen: Scriptwriting for Theatre, Film and Television; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.

0101	Douglas Kern MWF 10:00am - 10:50am	Seats (Total: 20) TWS 0214

ENGL280 **The English Language**

ENGL280 The English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Introduction to the structure of English and its historical development, with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.

0101	Oliver Brearey TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 2122

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Kenton Camper TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 3132

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities. Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Cameron Mozafari TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 1105	

ENGL289I **Acting Human: Shakespeare and the Drama of Identity**

ENGL289I Acting Human: Shakespeare and the Drama of Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
As an introduction to Shakespeare, we will explore eight plays, discuss concepts of dramatic realism, and analyze the ways Shakespeare teaches us to ask questions about his characters and ultimately about ourselves. Our reading list may include Titus Andronicus, Othello, King Lear, Macbeth, Troilus and Cressida, Anthony and Cleopatra, The Winter's Tale, and The Tempest.

0101	Gerard Passannante TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 TWS 0221	 Discussion
0102	Gerard Passannante TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 0221	 Discussion
0103	Gerard Passannante TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 0221	 Discussion
0104	Gerard Passannante TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 1100 TWS 0221	 Discussion

ENGL289P **Why Poetry Matters**

ENGL289P Why Poetry Matters; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

Why does poetry matter? A wide-ranging course that introduces students to the formal fundamentals of poetry while exploring the role poetry plays in how we think about the human condition; what constitutes knowledge and wisdom, interior subjectivity and communal identity; and how this knowledge is to be used in confronting new challenges and the perennial questions: how to live with oneself, and as oneself; in time, and with others; here, where we reside; and elsewhere, where we imagine ourselves going.

0101	Joshua Weiner MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 KEY 0125	 Discussion
0102	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 KEY 0125	 Discussion
0103	Joshua Weiner MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 TWS 1106	 Discussion
0104	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0220 TWS 1106	 Discussion
0105	Joshua Weiner MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0220 TWS 1106	 Discussion
0106	Joshua Weiner MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0220 TWS 0214	 Discussion

ENGL289Y **American Fictions: Cross-Examining U.S. Literature, History, and Politics**

ENGL289Y American Fictions: Cross-Examining U.S. Literature, History, and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Peter Mallios TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 TWS 0205	Discussion
0102	Peter Mallios TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 0205	Discussion
0103	Peter Mallios TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 0205	Discussion
0104	Peter Mallios TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 1100 TWS 0205	Discussion

ENGL289Z **Aliens, Exiles, Immigrants: Literature and Emigration**

ENGL289Z Aliens, Exiles, Immigrants: Literature and Emigration; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
This course reads historical and contemporary literature by emigrants to explore ideas of citizenship, national identity, and patriotism. Authors include Junot Diaz, Jhumpa Lahiri, Margaret Atwood, Marilyn Chin, Mohsin Hamid, and Michael Ondaatje, among many others.

0101	Jason Rudy TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 TWS 0201	Discussion
0102	Jason Rudy TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 0201	Discussion
0103	Jason Rudy TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 0201	Discussion

0104	Jason Rudy	Seats (Total: 22)	
	TuTh 11:00am - 11:50am	TWS 1100	
	F 1:00pm - 1:50pm	TWS 0201	Discussion

ENGL291 **Intermediate Writing**
Contact department for information to register for this course.

ENGL292 **Writing for Change**

ENGL292 Writing for Change; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-English department. Recommended: ENGL101. Restriction: Requires application and references. Service learning in collaboration with students at area high schools. Explores how writing can be a tool for social change. Participants serve as mentors, create a performance event concerning a pressing social issue, and compose reflections, literacy narratives, publicity materials, and a multimodal project. Focus on developing critical self-awareness. Also offered as ENGL388C.

0101	Heather Lindenman	Seats (Total: 18)	
	MWF 10:00am - 10:50am	TWS 3136	
	W 9:00am - 9:50am	TWS 3136	Lab

ENGL293 **Writing in the Wireless World**

ENGL293 Writing in the Wireless World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
Recommended: ENGL101. Credit only granted for: ENGL278Z or ENGL293. Formerly: ENGL278Z. A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, analyze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

0101	Elizabeth Ellis	Seats (Total: 22)	
	MWF 12:00pm - 12:50pm	TWS 0224	

ENGL295 **Literature in a Wired World**

ENGL295 Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: ENGL278W or ENGL295. Formerly: ENGL278W. An introduction to the changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

0101	Daniel Kason MWF 12:00pm - 12:50pm	Seats (Total: 30) TWS 0223
0201	Nicholas Slaughter TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0223

ENGL300 **Writing about Literature**

ENGL300 Writing about Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in ENGL301. For students who want to improve their academic writing skills, focusing in particular on literary analysis, argument, style, clarity and engagement with other points of view. Readings from literary texts in various genres and from critical essays. Especially useful to prepare for upper-level courses in English.

0101	Zita Nunes TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 2123

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG.
Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Kimberly Coles MW 11:00am - 12:15pm	Seats (Total: 18) TWS 0221
0201	Sharada Balachandran Orihuela MW 12:30pm - 1:45pm	Seats (Total: 18) TWS 0201

0401	David Wyatt TuTh 12:30pm - 1:45pm	Seats (Total: 18) TWS 0221
0501	Tita Chico TuTh 11:00am - 12:15pm	Seats (Total: 18) TWS 1106
0601	Scott Trudell TuTh 2:00pm - 3:15pm	Seats (Total: 18) TWS 3248

ENGL302 **Medieval Literature in Translation**

ENGL302 Medieval Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.

0101	Kellie Robertson MW 12:30pm - 1:45pm	Seats (Total: 28) TWS 0214

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Restriction: Must not have completed ENGL403 or ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Amanda Bailey MW 2:00pm - 3:15pm	Seats (Total: 28) TWS 0205

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 28) TWS 1106

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Vincent Carretta TuTh 9:30am - 10:45am	Seats (Total: 28) TWS 0214

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Jonathan Auerbach MW 2:00pm - 3:15pm	Seats (Total: 28) TWS 0207

ENGL317 **African American Literature**

ENGL317 African American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Must have completed two lower-level English courses, at least one in literature; or permission of ARHU-English department. Consideration of key texts in African American literature that explore the experiences of people of African descent in America from the mid-nineteenth century to the contemporary moment. Relationship between literary texts, historical events and cultural formations. Examines a range of texts and genres (autobiography, slave narrative, travel narrative, poetry, essays, fiction), and their contribution to national literary tradition. Also offered as AASP398C. Credit grandted for AASP398C or ENGL317.

0101	Edlie Wong	Seats (Total: 28)	
	MW 11:00am - 12:15pm	TWS 0236	

ENGL329A **Special Topics in Film Studies; Cinema of Liberation**

ENGL329A Special Topics in Film Studies: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT398C. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Studies in various periods and genres of film.

0201	Eugene Robinson	Seats (Total: 28)	
	TuTh 12:30pm - 1:45pm	TWS 1107	
	Tu 3:30pm - 6:00pm	TWS 1107	Lab

ENGL329N **Special Topics in Film Studies; The Cinematic Metropolis: Film and Urban Display Culture**

ENGL329N Special Topics in Film Studies: The Cinematic Metropolis: Film and Urban Display Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-Film department. Repeatable to 9 credits if content differs. Also offered as FILM319N.

0101	Caitlin McGrath	Seats (Total: 28)	
	TuTh 9:30am - 10:45am	SQH 1117	

ENGL329P **Special Topics in Film Studies; The Films of Martin Scorsese**

ENGL329P Special Topics in Film Studies: The Films of Martin Scorsese; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-Film department. Repeatable to 9 credits if content differs. Also offered as FILM359P.

0101	Marianne Conroy	Seats (Total: 28)
	TuTh 2:00pm - 3:15pm	TWS 1107

ENGL329Q **Special Topics in Film Studies; Classical Film Theory**

ENGL329Q Special Topics in Film Studies: Classical Film Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-Film department. Repeatable to 9 credits if content differs. Also offered as FILM369Q.

0101	Oliver Gaycken	Seats (Total: 28)
	MW 12:30pm - 1:45pm	TWS 0236

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Lee Konstantinou	Seats (Total: 28)
	MW 11:00am - 12:15pm	TWS 0205

ENGL348A **Literary Works by Women; Gender, Race, and Class in British and American Narratives (1680-1930)**

ENGL348A Literary Works by Women: Gender, Race, and Class in British and American Narratives (1680-1930); (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 6 credits if content differs. Also offered as: AASP398A and WMST348A. Credit only granted for: AASP398A, ENGL348A, or WMST348A. The context, form, style and meaning of literary works by women.

0101	Carla Peterson TuTh 3:30pm - 4:45pm	Seats (Total: 28) TWS 0221

ENGL348P **Literary Works by Women; Women on the Plantation**

ENGL348P Literary Works by Women: Women on the Plantation; (3 credits)
Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 28) TWS 1107

ENGL352 **Intermediate Fiction Workshop**

ENGL352 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL272; or permission of ARHU-English department. Credit only granted for: ENGL396 or ENGL352. Formerly: ENGL396. A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and the fiction of colleagues, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

0101	Howard Norman MW 11:00am - 12:15pm	Seats (Total: 15) TWS 3134
0301	Thomas Earles TuTh 2:00pm - 3:15pm	Seats (Total: 15) TWS 3134

ENGL353 **Intermediate Poetry Workshop**

ENGL353 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL273; or permission of ARHU-English department. Credit only granted for: ENGL397 or ENGL353. Formerly: ENGL397. A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.

0101	Elizabeth Arnold MW 12:30pm - 1:45pm	Seats (Total: 15) TWS 3250

ENGL358A **Special Topics in U.S. Latina/o Literature; Literature of the Chicano Movement**

ENGL358A Special Topics in U.S. Latina/o Literature: Literature of the Chicano Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.Also offered as AMST328Q and USLT498G. Creditgranted for AMST328Q, ENGL358A, or USLT498G. Study of works by U.S. Latina/o writers. This course will explore the literature of the Mexican-American civil rights movement and its significance to U.S. history and politics. Major texts include Richard Vasquez's Chicano (1970), Oscar Zeta Acosta's Revolt of the Cockroach People (1972), the Actos (skirts) of El Teatro Campesino, Helena Maria Viramontes's Under the Feet of Jesus (1995), selected, poems, and more.

0101	Randy Ontiveros MW 2:00pm - 3:15pm	Seats (Total: 28) TWS 0221

ENGL359C **Special Topics in Lesbian, Gay, and Bisexual Literatures; Queer Comedy**

ENGL359C Special Topics in Lesbian, Gay, and Bisexual Literatures: Queer Comedy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT359M. Prerequisite: Two lower-level English courses,at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Intensive study of comedy, especially provocative humor inflected by attention to sexual issues of being and performance. Particular attention will be paid to LGBTQ comedians, writers, performers with additional emphasis on race, gender,class, ethnicity, disability. Texts include screen and stage performances as well as novels and poems.

0101	Martha Nell Smith TuTh 2:00pm - 3:15pm	Seats (Total: 28) TWS 0236

ENGL359F **Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

ENGL359F Special Topics in Lesbian, Gay, and Bisexual Literatures: Lesbian, Gay, Bisexual, and Transgender Film and Video; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT327.Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Study of selected writers orparticular themes in Lesbian, Gay and Bisexual Literatures.

0101	James Goodwin TuTh 11:00am - 12:15pm	Seats (Total: 35) ITV 1100

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins TuTh 2:00pm - 3:15pm	Seats (Total: 28) TWS 0221

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Also offered as AASP398D. Credit granted for ENGL368B or AASP398D.

0101	Barry Pearson	Seats (Total: 28)
	MW 2:00pm - 3:15pm	TWS 1107

ENGL369G **Special Topics in Study Abroad III; Adapting Literature to the Screen**
Contact department for information to register for this course.

ENGL369H **Special Topics in Study Abroad III; London Stage**
Contact department for information to register for this course.

ENGL369I **Special Topics in Study Abroad III; Images of Italy in the U.K. and U.S.A.**
Contact department for information to register for this course.

ENGL369L **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
Contact department for information to register for this course.

ENGL369Q **Special Topics in Study Abroad III; Literature of the Shoah**
Contact department for information to register for this course.

ENGL369X **Special Topics in Study Abroad III; Literature in Liguria**
Contact department for information to register for this course.

ENGL369Z **Special Topics in Study Abroad III; The London Stage**
Contact department for information to register for this course.

ENGL370 **Junior Honors Conference**

ENGL370 *(PermReq)* **Junior Honors Conference; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Candidacy for honors in English. Preparation for writing the senior honors project.

0101	Randy Ontiveros	Seats (Total: 20)
	W 3:30pm - 5:00pm	TWS 0201

ENGL379J **Special Topics in Literature; Different Planets: Europe and America in the Works of Henry James**

ENGL379J Special Topics in Literature: Different Planets: Europe and America in the Works of Henry James; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Auchard	Seats (Total: 28)
	TuTh 12:30pm - 1:45pm	TWS 0236

ENGL379K **Special Topics in Literature; Sexual Poetics**

ENGL379K Special Topics in Literature: Sexual Poetics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT359K. This team-taught course will explore erotics of American and British poetry from nineteenth century to the present day. Authors considered will include Keats, Dickinson, Whitman, Bishop, Ginsberg, Lorde, Rich, and the current British poet laureate, Carol Ann Duffy, among others. Two 5-page essays, active participation, and a final exam.

0101	Martha Nell Smith, Jason Rudy	Seats (Total: 56)
	TuTh 3:30pm - 4:45pm	TWS 1100

ENGL379N **Special Topics in Literature; The Birth of Modern America**

ENGL379N Special Topics in Literature: The Birth of Modern America; (3 credits) Grade Method: REG/P-F/AUD.
This course explores "the shock of the new" through the lens of fictions of Bellamy, Twain, Crane, Dreiser, Norris, Dunbar, Johnson and other authors who depict the anxieties of modern urban life around the turn of the twentieth century. These readings will be supplemented by analysis of other cultural forms, such as early cinema, advertising, department stores, mass media (including war propaganda), experimental works of art, and scientific principles of factory management.

0101	Jonathan Auerbach MW 12:30pm - 1:45pm	Seats (Total: 28) TWS 1107

ENGL379P **Special Topics in Literature; Fractured Sentences: Prison Literature and the Rhetoric of Resistance**

ENGL379P Special Topics in Literature: Fractured Sentences: Prison Literature and the Rhetoric of Resistance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Christopher Hazlett TuTh 9:30am - 10:45am	Seats (Total: 28) TWS 0221

ENGL379R **Special Topics in Literature; The Jazz Paradigm**

ENGL379R Special Topics in Literature: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT398D. Prerequisite: two lower-level English courses.

0101	Eugene Robinson TuTh 11:00am - 12:15pm	Seats (Total: 28) TWS 1107

ENGL379T **Special Topics in Literature; Folkore, Themes, and Archetypes in Literature**

ENGL379T Special Topics in Literature: Folkore, Themes, and Archetypes in Literature; (3 credits) Grade Method: REG/P-F/AUD.
The course considers Folklore as progenitor and partner to literature. Topics covered will be myth, legend, urban myths, folktale, folksong, proverbs, placenames, and archetypes. Set texts will include Levi-Straus, J.G. Frazer, the Brothers Grimm, the Gawain poet, Keats, Chaucer, T.S. Eliot, Faulkner, Alan Garner, Marina Carter, Zora Neale Hurston, and Thomas Hardy.

0101	Michael Olmert TuTh 12:30pm - 1:45pm	Seats (Total: 28) TWS 1106

ENGL383 **The Uses of Language**

ENGL383 The Uses of Language; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of the social and political aspects of language use, including conversational behavior, persuasive uses of language, social dialects, and language and gender; analytical methods of pragmatics and discourse analysis.

0101	Linda Coleman	Seats (Total: 28)
	TuTh 2:00pm - 3:15pm	TWS 0214

ENGL384 **Concepts of Grammar**

ENGL384 Concepts of Grammar; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the basic units of grammatical description; motivation for and nature of constituent structure and syntactic categories; fundamental grammatical concepts employed in the teaching and learning of languages.

0101	Michael Israel	Seats (Total: 28)
	MW 12:30pm - 1:45pm	TWS 0221

ENGL385 **English Semantics**

ENGL385 English Semantics; (3 credits) Grade Method: REG/P-F/AUD.
An introductory study of meaning in language and paralanguage. General semantics, kinesics, linguistic relativity and recent developments in linguistic semantics.

0101	Michael Israel	Seats (Total: 28)
	MW 3:30pm - 4:45pm	TWS 0214

ENGL388A **Writing Internship; Second Life Workshop-African American Literature**
Contact department for information to register for this course.

ENGL388C **Writing Internship; Writing for Change**

ENGL388C *(PermReq)* **Writing Internship: Writing for Change; (3 credits)** Grade Method: REG/P-F/AUD.
For permission to register, contact hlinden@umd.edu. Also offered as ENGL292. Service learning in collaboration with students at area high schools. Explores how writing can be a tool for social change. Participants serve as mentors, create a performance event concerning a pressing social issue, and compose reflections, literacy narratives, publicity materials, and a multimodal project. Focus on developing critical self-awareness.

0101	Heather Lindenman	Seats (Total: 18)	
	MWF 10:00am - 10:50am	TWS 3136	
	W 9:00am - 9:50am	TWS 3136	Lab

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of the department. Contact Professor Martha Nell Smith, mnsmith@umd.edu

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388M **Writing Internship; Maryland General Assembly Pre-Professional Writing Internship**

ENGL388M *(PermReq)* **Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Also offered as HONR379W.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of the department. Contact english@umd.edu.

0101	Karen Lewis	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu.

0101	Neil Fraistat	Seats (Total: 10)
	Contact instructor or department for details.	

ENGL388T **Writing Internship; MITH Internships**

ENGL388T *(PermReq)* **Writing Internship: MITH Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu

0101	Neil Fraistat	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL388V **Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

ENGL388V *(PermReq)* **Writing Internship: Undergraduate Teaching Assistants in Writing Programs; (1-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department. Repeatable to 9 credits. Contact Dr. Linda Macri, lmacri@umd.edu.

0101	Linda Macri	Seats (Total: 20)
	M 6:30pm - 7:45pm	TWS 1105
0201	Linda Macri	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Prerequisite: permission of the department. Contact the Writing Center, writadmin@umd.edu.

0101	Leigh Ryan, Nabila Hijazi F 11:00am - 1:30pm	Seats (Total: 20) TWS 3250

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Click here for more course information.

0101	Mary Shea MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 19) TWS 0224 TWS 0207
0201	Mary Shea MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 19) TWS 0224 PLS 1180
0301	Mary Shea MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 19) TWS 0224 TWS 1105
0601	Scott Wible MW 2:00pm - 3:15pm	Seats (Total: 19) PLS 1164
1101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0119

1201	John Matthews TuTh 11:00am - 12:15pm	Seats (Total: 19) KEY 0119
1301	Paul Haynos Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TWS 0224 TYD 2108
1501	Paul Haynos Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) TWS 0224 TWS 1105
1505	Paul Haynos Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) TWS 0224 TWS 1105

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more information on professional writing courses.

0201	Danuta Hinc M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 19) TWS 1105 TWS 0230
0301	Danuta Hinc M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 19) TWS 1105 TWS 0230
0302	Donald McNeilly MWF 11:00am - 11:50am	Seats (Total: 19) CHE 2116
0401	Donald McNeilly MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0115
0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 19) HBK 0123

0501	Danuta Hinc M 1:00pm - 1:50pm WF 1:00pm - 1:50pm	Seats (Total: 19) TWS 1105 TWS 0230
0502	Donald McNeilly MWF 1:00pm - 1:50pm	Seats (Total: 19) TWS 0207
0601	Ann Bracken M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TWS 0230 SQH 1101
0701	Ann Bracken M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) TWS 0230 SKN 1112
1101	Melanie Faith Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) TWS 0234 TWS 0232
1202	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0234 TWS 0232
1301	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TWS 0234 TWS 0232
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230

ENGL391H Advanced Composition

ENGL391H Advanced Composition; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Restricted to students in the University or departmental Honors program. Click here for more information on professional writing courses.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0234

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Click here for more information on professional writing courses.

0101	Robin Earnest M 9:00am - 9:50am WF 9:00am - 9:50am	Seats (Total: 19) TWS 0221 TWS 0232
0201	Robin Earnest M 10:00am - 10:50am WF 10:00am - 10:50am	Seats (Total: 19) TWS 0221 TWS 0232
0401	Kenton Camper MWF 12:00pm - 12:50pm	Seats (Total: 19) SQH 2121
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) TWS 0236 TWS 0230

1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) SQH 2119 TWS 0230
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) TYD 2102 TWS 0230
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
The writing of technical papers and reports. Click here for more information on professional writing courses.

0101	Samantha Gendler MF 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 19) TWS 0223 TWS 1106
0201	Joan Mooney MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0236
0202	Samantha Gendler MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 19) TWS 0223 TWS 0205
0301	Joan Mooney MWF 11:00am - 11:50am	Seats (Total: 19) SKN 1112
0302	Samantha Gendler MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 19) TWS 0223 TWS 0234

0501	Jacob Eckstein MWF 1:00pm - 1:50pm	Seats (Total: 19) ASY 3207
0801	Candace Orsetti M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) HBK 0123 TWS 0232
1001	Connie Inukai Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 19) TWS 0232 ASY 3217
1101	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 19) EDU 2102
1201	Connie Inukai Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0232 KEY 0124
1202	Kelly Cresap TuTh 11:00am - 12:15pm	Seats (Total: 19) EDU 0202
1501	Daniel Saalfeld Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 19) TWS 0232 SQH 1105
1505	Daniel Saalfeld Th 5:00pm - 6:15pm Tu 5:00pm - 6:15pm	Seats (Total: 19) TWS 0232 TWS 0234
1601	Andrew Delfino M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
1602	Amanda Olson M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224
1701	Caleb Kriesberg Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214
1702	Amanda Olson Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0224

1801	Andrew Delfino W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0230
1802	Caleb Kriesberg W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0207
1803	Aaron Dinin W 6:30pm - 9:10pm	Seats (Total: 19) TWS 0201
1901	Mary Sirianni Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0214
1902	Alexandra Calloway Th 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
BL01	Phillip Moses M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) ONLINE KEY 0124
	Blended Learning courses combine face-to-face and online interactions.	
BL02	Sheila Lalwani Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) ONLINE KEY 0124
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Sheila Lalwani Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) ONLINE KEY 0120
	Blended Learning courses combine face-to-face and online interactions.	
BL04	Michelle Von Euw Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm	Seats (Total: 19) ONLINE TYD 2108
	Blended Learning courses combine face-to-face and online interactions.	
BL05	Michelle Von Euw Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) ASY 3221 ONLINE
	Blended Learning courses combine face-to-face and online interactions.	

BL10	Pamela Orel M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TYD 1132 ONLINE
BL11	Phillip Moses M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) ONLINE KEY 0124
BL12	Pamela Orel M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) KEY 0124 ONLINE
BL21	Phillip Moses M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) ONLINE TWS 0207
BL22	Pamela Orel M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 0207 ONLINE
BL41	Phillip Moses M 8:00pm - 9:15pm W 8:00pm - 9:15pm	Seats (Total: 19) ONLINE TWS 0214

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. The writing of technical papers and reports. Restricted to students in the University or departmental Honors proram. Click here for more information on professional writing courses.

1401	Katherine Izsak Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 0234 TWS 0230

ENGL393X **Technical Writing**

ENGL393X *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. The writing of technical papers and reports. Restricted to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more information on professional writing courses.

1401	Daniel Saalfeld Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 15) TWS 0232 TWS 0234

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more information on professional writing courses.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 19) TWS 1105
0201	Karen Angeline MWF 10:00am - 10:50am	Seats (Total: 19) HBK 1108
0202	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 19) TWS 0207
0301	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 19) KEY 0119
0302	Ceil Goldberg M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 19) ASY 3221 TWS 0232

0401	Ceil Goldberg M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 19) TWS 1105 TWS 0232
0402	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0234
0501	Karen Angeline MWF 1:00pm - 1:50pm	Seats (Total: 19) TYD 2109
0601	James Mattson MW 2:00pm - 3:15pm	Seats (Total: 19) TWS 1105
0602	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) KEY 0119 TWS 0223
0701	Ellen Blumner M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) TWS 1105 TWS 0230
0702	James Mattson MW 3:30pm - 4:45pm	Seats (Total: 19) SQH 2121
0801	Ellen Blumner M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 0201 TWS 0230
1102	Kelly Forsythe TuTh 9:30am - 10:45am	Seats (Total: 19) LEF 1222
1103	Donald McGlew TuTh 9:30am - 10:45am	Seats (Total: 19) TWS 0207
1201	Kelly Forsythe TuTh 11:00am - 12:15pm	Seats (Total: 19) SQH 1105
1202	Donald McGlew TuTh 11:00am - 12:15pm	Seats (Total: 19) TWS 1105

1302	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 19) KEY 0123
1303	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 19) TWS 0207
1401	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 0224 TWS 1105
1402	Shayna Maskell TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2119
1403	Elizabeth McClure TuTh 2:00pm - 3:15pm	Seats (Total: 19) TWS 0207
1502	Shayna Maskell TuTh 3:30pm - 4:45pm	Seats (Total: 19) TWS 0234
1503	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 19) HBK 0123
1505	Shayna Maskell TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0214
1506	Elizabeth McClure TuTh 5:00pm - 6:15pm	Seats (Total: 19) TWS 0201
1601	Ellen Blumner M 6:30pm - 9:10pm	Seats (Total: 19) TWS 0223
BL01	Clare Parsons Th 8:00am - 9:15am Class time/details on ELMs	Seats (Total: 19) TWS 1106 ONLINE
BL02	Clare Parsons Th 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 19) SQH 1111 ONLINE

BL03	Clare Parsons Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 19) ARC 1121 ONLINE
SG91	Katherine Wilson TuTh 8:00am - 9:15am	Seats (Total: 22) BLD3 2203
	Restricted to BMGT-Shady Grove students excluding students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Katherine Wilson TuTh 9:30am - 10:45am	Seats (Total: 22) BLD3 2203
	Restricted to BMGT-Shady Grove students excluding students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Katherine Wilson TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD3 2203
	Restricted to BMGT-Shady Grove students excluding students majoring in Accounting and Management. Students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Katherine Robinson TuTh 11:00am - 12:15pm	Seats (Total: 22) BLD3 4206
	Restricted to BMGT-Shady Grove students excluding students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP Undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Katherine Robinson TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD3 4206
	Restricted to BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG98	Katherine Wilson TuTh 2:00pm - 3:15pm	Seats (Total: 22) BLD3 3242
	This section is restrcited to COMM students enrolled at Shady Grove.	

ENGL395 Writing for Health Professions

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.
Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more information on professional writing courses.

0101	Kyle Garton-Gundling MWF 9:00am - 9:50am	Seats (Total: 19) TWS 0214
0201	Kyle Garton-Gundling MWF 10:00am - 10:50am	Seats (Total: 19) KEY 0116
0301	Kisa Lape MWF 11:00am - 11:50am	Seats (Total: 19) KNI 1105
0401	Kisa Lape MWF 12:00pm - 12:50pm	Seats (Total: 19) TLF 1101
1001	John Matthews TuTh 8:00am - 9:15am	Seats (Total: 19) KEY 0124
1002	Tanya Paperny TuTh 8:00am - 9:15am	Seats (Total: 19) ARM 0121
1101	Tanya Paperny TuTh 9:30am - 10:45am	Seats (Total: 19) ARM 0121
1401	Martha Thomas TuTh 2:00pm - 3:15pm	Seats (Total: 19) SQH 2122
1501	Martha Thomas TuTh 3:30pm - 4:45pm	Seats (Total: 19) SQH 2120
1505	Joseph Wappel Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 19) ASY 3203 TWS 0224

1507	Joseph Wappel Tu 6:30pm - 7:45pm Th 6:30pm - 7:45pm	Seats (Total: 19) ASY 3203 TWS 0224
1701	Daniel Pendick Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 0232
2001	Tanya Paperny F 8:00am - 10:40am	Seats (Total: 19) TWS 3252
SG91	Meredith Gray-Grener TuTh 12:30pm - 1:45pm *Restricted to Public Health students at -Shady Grove.*	Seats (Total: 22) Location: TBA
SG92	Meredith Gray-Grener TuTh 2:00pm - 3:15pm *Restricted to Public Health students at Shady Grove.*	Seats (Total: 22) Location: TBA
SG98	Meredith Gray-Grener TuTh 11:00am - 12:15pm *Restricted to Biological Sciences majors at Shady Grove. All other students email usgbiosci@umd.edu for permission.*	Seats (Total: 22) BLD2 3022

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more information on professional writing courses.

0801	Rebecca Ritzel MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0214
1001	Caroline Wilkins TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 1105
1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 19) KEY 0125

1601	Rebecca Ritzel M 6:30pm - 9:10pm	Seats (Total: 19) KEY 0119

ENGL398B **Topics in Professional Writing; Writing for Social Entrepreneurship**

ENGL398B Topics in Professional Writing: Writing for Social Entrepreneurship; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This c ourse satisfies the professional writing requirement. Click here for more course information.

0601	Zahara Heckscher M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 19) TWS 0224 KEY 0119
0701	Zahara Heckscher M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) TWS 0224 KEY 0119
1701	Amy Kincaid Tu 6:30pm - 9:10pm	Seats (Total: 19) TWS 1106
1801	Amy Kincaid W 6:30pm - 9:10pm	Seats (Total: 19) TWS 1105

ENGL398C **Topics in Professional Writing; Writing Case Studies and Investigative Reports**

ENGL398C Topics in Professional Writing: Writing Case Studies and Investigative Reports; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0701	Joshua Buursma MW 3:30pm - 4:45pm	Seats (Total: 19) TWS 0234
0801	Joshua Buursma MW 5:00pm - 6:15pm	Seats (Total: 19) TWS 0234

SG91	Joseph Wappel TuTh 9:30am - 10:45am *Registration is restricted to CCJS-Shady Grove students.*	Seats (Total: 22) BLD3 4226
SG92	Joseph Wappel TuTh 11:00am - 12:15pm *Registration is restricted to CCJS-Shady Grove students.*	Seats (Total: 22) BLD3 4226

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0801	Michael Winett M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) TWS 0232 TWS 1105

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite:60 credits and completion of ENGL101. This course satisfies the professional writing requirement.An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 19) TWS 0207

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0301	Jacob Eckstein MWF 11:00am - 11:50am	Seats (Total: 19) ARM 0110

0401	Jacob Eckstein MWF 12:00pm - 12:50pm	Seats (Total: 19) TWS 0207
1301	Rebecca Holden Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 19) EDU 2102 TWS 0224
1401	Rebecca Holden Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) TWS 1105 TWS 0224

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

1001	Stewart Foehl TuTh 8:00am - 9:15am	Seats (Total: 19) TWS 0236
1101	Pamela Gerhardt Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) TWS 0230 TWS 0236
1102	Stewart Foehl TuTh 9:30am - 10:45am	Seats (Total: 19) PLS 1172
1201	Pamela Gerhardt Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 19) TWS 0230 TWS 0207

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0701	Robert Schubert M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 19) TWS 0207 TWS 0223
0801	Robert Schubert M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 19) HBK 1108 TWS 0223
1101	Lindsay Jacoby Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 19) KEY 0123 TWS 0224

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Kellie Robertson MW 2:00pm - 3:15pm	Seats (Total: 23) TWS 0236

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**
Contact department for information to register for this course.

ENGL409K **Study Abroad Special Topics IV; A Moveable Feast: Writing about Food**
Contact department for information to register for this course.

ENGL409L **Study Abroad Special Topics IV; Literature of London**
Contact department for information to register for this course.

ENGL410 **Edmund Spenser**

ENGL410 Edmund Spenser; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Selected works of Edmund Spenser in their literary, social, and historical contexts. Special attention to The Faerie Queene; also sonnets and lyric poetry.

0101	Kimberly Coles MW 12:30pm - 1:45pm	Seats (Total: 23) TWS 0205

ENGL417 **Literature of the Eighteenth Century, 1750-1800**

ENGL417 Literature of the Eighteenth Century, 1750-1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. British poetry, drama, fiction, and nonfiction, emphasizing innovative forms and attitudes in genres such as the gothic novel and political writings, as well as more traditional works. Authors include Johnson, Burney, Sterne, Burke, and Wollstonecraft.

0101	Vincent Carretta TuTh 11:00am - 12:15pm	Seats (Total: 23) TWS 0205

ENGL428T **Seminar in Language and Literature; Seminar in Poetry Translation**

ENGL428T Seminar in Language and Literature: Seminar in Poetry Translation; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Collier Th 3:30pm - 6:00pm	Seats (Total: 20) TWS 3132

ENGL428X **Seminar in Language and Literature; Shakespeare and the Age of Globalization**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Shakespeare and the Age of Globalization; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required. This course will explore a seventeenth century global cultural economy, paying particular attention to what sorts of feelings accompany a developming global consciousness. We will investigate how England's commerical encounters with Africa, the Americas, the Mediterranean, and Asia influenced dramatic representations of religious and cultural "others", as well as portrayals of English cosmopolitans. While Shakespeare remains at the center of this course, we will discuss his plays in light of accounts of cross-cultural encounters and dramatists before and after who shaped our imagination globalization.

0101	Amanda Bailey MW 11:00am - 12:15pm	Seats (Total: 20) TWS 3132

ENGL428Z **Seminar in Language and Literature; Literature in the Age of the Scientific Revolution**

ENGL428Z *(PermReq)* **Seminar in Language and Literature: Literature in the Age of the Scientific Revolution; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Gerard Passannante TuTh 3:30pm - 4:45pm	Seats (Total: 20) TWS 0214

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL431 **American Literature: 1810 to 1865, the American Renaissance**

ENGL431 American Literature: 1810 to 1865, the American Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Nationalism, Sentimentalism, Transcendentalism. Writers such as Douglass, Stowe, Melville.

0101	Robert Levine MW 11:00am - 12:15pm	Seats (Total: 23) TWS 0201

ENGL432 **American Literature: 1865 to 1914, Realism and Naturalism**

ENGL432 American Literature: 1865 to 1914, Realism and Naturalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Reconstruction, Realism, Naturalism. Representative writers such as Dickinson, James, Dreiser.

0101	John Auchard	Seats (Total: 23)
	TuTh 9:30am - 10:45am	TWS 0205

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

ENGL433 American Literature: 1914 to the Present, the Modern Period; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101	Sharada Balachandran Orihuela	Seats (Total: 23)
	MW 3:30pm - 4:45pm	TWS 0221

ENGL435 **American Poetry: Beginning to the Present**
Contact department for information to register for this course.

ENGL437 **Contemporary American Literature**

ENGL437 Contemporary American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Prose, poetry, drama of living American writers. Current cultural and social issues.

0101	Linda Kauffman	Seats (Total: 23)
	MW 11:00am - 12:15pm	TWS 1107

ENGL439B **Major American Writers after 1865; Bishop and Lowell: Poetry and Friendship**

ENGL439B Major American Writers after 1865: Bishop and Lowell: Poetry and Friendship; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. From their first meeting in 1947 to the writing of "North Haven," Bishop's elegy for Lowell written in 1978, these two friends kept faith wiht each other through love affairs, marriages, breakdowns, and steady poetic achievement. This course will track this deeply moving story by reading their letters to each other by reading their poems.

0101	David Wyatt	Seats (Total: 23)
	TuTh 2:00pm - 3:15pm	TWS 0201

ENGL448A **Literature by Women of Color; Caribbean Literature by Women**

ENGL448A Literature by Women of Color: Caribbean Literature by Women; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Also offered as AASP478A. Credit granted for AASP478A or ENGL448A.

0101	Merle Collins	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	TWS 0201

ENGL451 **Renaissance Drama II**

ENGL451 Renaissance Drama II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Drama in early decades of the seventeenth century. Playwrights include Jonson, Middleton, Marston, Webster, Beaumont and Fletcher. Tragedy, city comedy, tragicomedy, satire, masque. Pre-Civil War theatrical, political, and religious contexts.

0101	Michael Olmert	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	TWS 0221

ENGL452 **English Drama From 1660 to 1800**

ENGL452 English Drama From 1660 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Restoration and eighteenth-century drama, with special attention to theater history, cultural influences, concepts of tragedy, comedy, farce, parody, and burlesque, as well as dramatic and verbal wit.

0101	Laura Rosenthal	Seats (Total: 23)
	TuTh 12:30pm - 1:45pm	TWS 0214

ENGL456 **The Nineteenth-Century English Novel**

ENGL456 The Nineteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Surveys major novels of the period. Attention to narrative form and realism; representations of gender and class; social contexts for reading, writing and publishing. Authors such as Austen, Bronte, Dickens, George Eliot, Trollope.

0101	William Cohen	Seats (Total: 23)
	MW 3:30pm - 4:45pm	TWS 1106

ENGL457 **The Modern Novel**

ENGL457 The Modern Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Modernism in the novel of the twentieth century. Such writers as Joyce, Lawrence, Murdoch, James, Forster, Faulkner, Hemingway, Fitzgerald, Ellison, Welty, Nabokov and Malamud.

0101	Christina Walter	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	TWS 0236

ENGL462 **Folksong and Ballad**

ENGL462 Folksong and Ballad; (3 credits) Grade Method: REG/P-F/AUD.
A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

0101	Barry Pearson MW 11:00am - 12:15pm	Seats (Total: 23) TWS 1106

ENGL470 **African-American Literature: The Beginning to 1910**

ENGL470 African-American Literature: The Beginning to 1910; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Beginnings of African-American literature including origins of literary expression in folk tales, songs, and spirituals; slave narratives; pamphlets, essays and oratory; and the emergence of poetry and fiction. Emphasis is on interaction between literary forms and the salient political issues of the day. Also offered as AASP478B. Credit granted for AASP478B or ENGL470.

0101	Edlie Wong MW 3:30pm - 4:45pm	Seats (Total: 23) TWS 0236

ENGL472 **African-American Literature: 1945 to Present**

ENGL472 African-American Literature: 1945 to Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Transformation of African-American literatures into modern and postmodern forms. Influenced by World War II and the Civil Rights and Black Power movements, this literature is characterized by conscious attempts to reconnect literary and folk forms, the emergence of women writers, and highly experimental fiction.

0101	Mary Washington MW 12:30pm - 1:45pm	Seats (Total: 23) TWS 1106

ENGL475 **Postmodern Literature**

ENGL475 Postmodern Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. The origins and ongoing development of postmodern literature. Aspects of the "postmodern condition," such as the collapse of identity, the erasure of cultural and aesthetic boundaries, and the dissolution of life into textuality. The novel and other genres and media.

0101	Linda Kauffman	Seats (Total: 23)
	MW 2:00pm - 3:15pm	TWS 3250

ENGL478E **Selected Topics in English and American Literature before 1800; The Story of Troy: An Ancient Tale Told and Retold**

ENGL478E Selected Topics in English and American Literature before 1800: The Story of Troy: An Ancient Tale Told and Retold; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Linda Coleman	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	TWS 0201

ENGL478F **Selected Topics in English and American Literature before 1800; Folger Undergraduate Research Seminar**

ENGL478F *(PermReq)* **Selected Topics in English and American Literature before 1800: Folger Undergraduate Research Seminar; (1-3 credits)** Grade Method: REG/P-F/AUD.
Class meets Fridays from 12:30-3:00 pm at the Folger Shakespeare Library in Washington, D.C. Applications due October 31, 2013. Permission of ARHU-Department required. Click here for more course information.

0101	Thomas Moser	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL479T **Selected Topics in English and American Literature after 1800; English Romantic Writers of the Second Generation**

ENGL479T Selected Topics in English and American Literature after 1800: English Romantic Writers of the Second Generation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Orrin Wang	Seats (Total: 23)
	MW 2:00pm - 3:15pm	TWS 3134

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: ENGL487 or COMM401.* Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Jane Donawerth MW 2:00pm - 3:15pm	Seats (Total: 23) TWS 0201

ENGL488B **Topics in Advanced Writing; Writing for the Blogosphere: Prehistory, Theory, Practice**

ENGL488B Topics in Advanced Writing: Writing for the Blogosphere: Prehistory, Theory, Practice; (3 credits) Grade Method: REG/P-F/AUD.
Repeatable to 9 credits if content differs. An immersion in blogging as a writing practice and as a social/literary genre with deep, multiple roots in cultural history. Students will design, build, and maintain their own blogs and also examine works in new media studies that help explain what blogs are, what they do culturally, politically, literarily and what they can teach us about reading, writing, and social networking in the twenty-first century.

0101	Marilee Lindemann TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 3136

ENGL488D **Topics in Advanced Writing; Writing Studies**

ENGL488D Topics in Advanced Writing: Writing Studies; (3 credits) Grade Method: REG/P-F/AUD.
Repeatable to 9 credits if content differs. Different genres of technical and professional writing including proposal writing, computer documentation, technical report writing, instruction manuals, etc. Students will analyze models of a genre, produce their own versions, test, edit and revise them.

0101	Jane Donawerth MW 12:30pm - 1:45pm	Seats (Total: 25) TWS 3134

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and candidacy for honors in English. Completion and presentation of the senior honors project.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop; Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop: Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL396 or ENGL352; or permission of department. Click here for more course information.

0101	Maud Casey Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250
0201	Emily Mitchell W 3:30pm - 6:00pm	Seats (Total: 15) TWS 0205

ENGL499 **Advanced Poetry Workshop; Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop: Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL397 or ENGL353; or permission of department. Click here for more course information.

0101	Joshua Weiner W 3:30pm - 6:00pm	Seats (Total: 15) TWS 3132

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 *(PermReq)* **Critical Theory and Literary Criticism; (3 credits)** Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature.

0101	Peter Mallios Tu 6:30pm - 9:00pm	Seats (Total: 16) TWS 3136

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARHU-English department. Additional information: Required for graduate assistants (optional to other graduate students). A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Shirley Logan Tu 3:30pm - 6:00pm	Seats (Total: 18) TWS 3252

ENGL623 **Readings in Eighteenth-Century English Literature**

ENGL623 Readings in Eighteenth-Century English Literature; (3 credits) Grade Method: REG/AUD.

0101	Tita Chico Th 3:30pm - 6:00pm	Seats (Total: 16) TWS 3250

ENGL628A **Readings in African American Literature; Modernism and Postmodernism**

ENGL628A *(PermReq)* **Readings in African American Literature: Modernism and Postmodernism; (3 credits)** Grade Method: REG/AUD.

0101	Mary Washington W 3:30pm - 6:00pm	Seats (Total: 16) TWS 3248

ENGL631 **Readings in 20th Century American Literature**

ENGL631 Readings in 20th Century American Literature; (3 credits) Grade Method: REG/AUD.

0101	Matthew Kirschenbaum M 3:30pm - 6:00pm	Seats (Total: 16) TWS 3136

ENGL688 **Poetry Workshop; Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop: Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Elizabeth Arnold W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134
0201	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3136

ENGL689 **Fiction Workshop; Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop: Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Maud Casey W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250
0201	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL719A **Seminar in Renaissance Literature; Early Modern Media**

ENGL719A *(PermReq)* **Seminar in Renaissance Literature: Early Modern Media; (3 credits)** Grade Method: REG/AUD.

0101	Scott Trudell Th 6:30pm - 9:00pm	Seats (Total: 11) TWS 3134

ENGL748L **Seminar in American Literature; Development of the 19th Century American Novel**

ENGL748L *(PermReq)* **Seminar in American Literature: Development of the 19th Century American Novel; (3 credits)** Grade Method: REG/AUD.

0101	Robert Levine M 3:30pm - 6:00pm	Seats (Total: 11) TWS 3248

ENGL759A **Seminar in Literature and the Other Arts; Methods and Issues in Cinema and Media Studies**

ENGL759A *(PermReq)* **Seminar in Literature and the Other Arts: Methods and Issues in Cinema and Media Studies; (3 credits)** Grade Method: REG/AUD.

0101	Oliver Gaycken M 6:30pm - 9:00pm	Seats (Total: 11) TWS 3132

ENGL788 **Studies in Poetic Form; Form and Theory in Poetry**

ENGL788 *(PermReq)* **Studies in Poetic Form: Form and Theory in Poetry; (3 credits)** Grade Method: REG/AUD.

0101	Stanley Plumly Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL789 **Form and Theory in Fiction**

ENGL789 *(PermReq)* **Form and Theory in Fiction; (3 credits)** Grade Method: REG/AUD.

0101	Emily Mitchell Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3136

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Orrin Wang TBA	Seats (Total: 15) TWS 3132

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL809 **Academic Publishing Workshop**

ENGL809 *(PermReq)* **Academic Publishing Workshop; (1-2 credits)** Grade Method: S-F.

0101	Jonathan Auerbach	Seats (Total: 12)
	Contact instructor or department for details.	

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

ENGL879 *(PermReq)* **Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Spring 2014

ENMA289A **Bigger, Faster, Better: The Quest for Absolute Technology**

ENMA289A Bigger, Faster, Better: The Quest for Absolute Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series. ***This is an "I" Series Course : Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

0101	Gottlieb Oehrlein TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 25) CHE 2108 EGR 1108	 Discussion
0102	Gottlieb Oehrlein TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2108 EGR 1108	 Discussion

ENMA300 **Introduction to Materials Engineering**

ENMA300 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Ratna Kolli MWF 9:00am - 9:50am	Seats (Total: 50) JMP 3201	
0201	Isabel Lloyd MWF 9:00am - 9:50am	Seats (Total: 50) SYM 0200	
0301	Aristos Christou TuTh 11:00am - 12:15pm	Seats (Total: 87) KEB 1110	

ENMA301 **Materials for Emerging Technologies**

ENMA301 *(PermReq)* **Materials for Emerging Technologies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department. Five topical areas will be presented, each leading up to specific applications that have recently come to market or are currently experiencing heavy research and development. The goal of each module will be to introduce the basic materials science principles necessary to understand these new areas.

0101	Oded Rabin	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	HBK 0115	

ENMA311 **Materials Laboratory II: Electromagnetic Properties**

ENMA311 Materials Laboratory II: Electromagnetic Properties; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA310 and ENMA460. Restriction: Junior standing or higher. Characterization of the electromagnetic properties of materials. Laboratories will include measurements of electrical and transport properties, index of refraction, and magnetic properties.

0101	Luz Martinez-Miranda	Seats (Total: 22)	
	Tu 8:00am - 9:15am	KEB 1135	
	M 9:00am - 11:50am	KEB 1135	Lab
0102	Audaldo Ponce	Seats (Total: 24)	
	Th 8:00am - 9:15am	KEB 1135	
	W 9:00am - 11:50am	KEB 1135	Lab

ENMA411 **Materials for Energy II**

ENMA411 *(PermReq)* **Materials for Energy II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in ENMA300; and permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA411 or ENMA489I. Formerly: ENMA489I.* The goal of Materials for Energy is to demonstrate the role of materials in solving one of the most critical socio-economic issues of our time, affordable and sustainable energy. Materials for Energy is a two-part course based on material functionality; however, they are independent and neither is a prerequisite for the other. Materials for Energy II will focus on electrical, optical, thermal, and mechanically functional materials for energy devices. Solar cells, solar fuel, solar thermal, energy efficient lighting, building energy, thermoelectric and wind energy will be covered.

0101	Liangbing Hu	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 3114

ENMA425 **Introduction to Biomaterials**

ENMA425 *(PermReq)* **Introduction to Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Recommended: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: BIOE453. Credit only granted for: BIOE453, ENMA489W, or ENMA425. Formerly: ENMA489W. Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog	Seats (Total: 103)
	TuTh 11:00am - 12:15pm	CHE 2110

ENMA426 **Reliability of Materials**

ENMA426 *(PermReq)* **Reliability of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA426 or ENMA489R. Formerly: ENMA489R. Students are taught the basic degradation mechanisms of materials, through the understanding of the physics, chemistry, mechanics of such mechanisms. Mechanical failure mechanisms concentrate on fatigue, and creep. Chemical failure mechanisms emphasize corrosion and oxidation. Physical mechanisms such as diffusion, electromigration, defects and defect migration, surface trapping mechanisms, charge creation and migration are also included.

0101	Tatiana Delorm	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 3106

ENMA445 **Liquid Crystals and Structured Soft Materials**

ENMA445 *(PermReq)* **Liquid Crystals and Structured Soft Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, PHYS270, and PHYS271. Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA445 or ENMA489L. Formerly: ENMA489L. Elective course on the properties and behavior of liquid crystals and related soft materials, and their relationship to biomaterials and to applications.

0101	Luz Martinez-Miranda	Seats (Total: 12)
	TuTh 12:30pm - 1:45pm	EGR 2116

ENMA460 **Physics of Solid Materials**

ENMA460 *(PermReq)* **Physics of Solid Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in Engineering: Materials Science program. Also offered as: PHYS431. Credit only granted for: ENMA460 or PHYS431. Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Ichiro Takeuchi MW 3:30pm - 4:45pm	Seats (Total: 20) CHM 1224

ENMA461 **Thermodynamics of Materials**

ENMA461 *(PermReq)* **Thermodynamics of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Restriction: Junior standing or higher. Thermodynamic aspects of materials; basic concepts and their application in design and processing of materials and systems. Topics include: energy, entropy, adiabatic and isothermal processes, internal and free energy, heat capacity, phase equilibria and surfaces and interfaces.

0101	Timothy Foecke TuTh 11:00am - 12:15pm	Seats (Total: 45) EGR 1108

ENMA465 **Microprocessing Materials**

ENMA465 *(PermReq)* **Microprocessing Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA363, ENMA489B, or ENMA465. Formerly: ENMA363. Micro and nanoscale processing of materials. Emphasis on thin film processing for advanced technologies.

0101	Gary Rubloff MW 3:30pm - 4:45pm	Seats (Total: 55) CSS 2324

ENMA482 **Introduction to Electron Microscopy**

ENMA482 Introduction to Electron Microscopy; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: PHYS142, PHYS122, or PHYS260. Credit only granted for: ENMA482 or ENMA489J. Formerly: ENMA489J. An introduction of the basic principles of operation for modern electron microscopes. Details will be given on the construction of microscopes, their basic operation, and the types of questions that can be addressed with an electron microscope. Emphasis will be placed on a conceptual understanding of the underlying theories. Where appropriate, mathematical descriptions will be utilized. Upon completion of this course, students will be excepted to have a basic understanding sufficient to give interpretations of microscopy images and to suggest the correct tool or approach for certain research studies.

0101	John Cumings	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CHE 2118

ENMA489A **Selected Topics in Engineering Materials; Introduction to Computational Materials Science**

ENMA489A Selected Topics in Engineering Materials: Introduction to Computational Materials Science; (3 credits) Grade Method: REG/P-F/AUD.

0101	Yifei Mo	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 0312

ENMA489C **Selected Topics in Engineering Materials; Advanced Fuel Cells and Batteries**

ENMA489C Selected Topics in Engineering Materials: Advanced Fuel Cells and Batteries; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chunsheng Wang	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	JMP 3201

ENMA489W **Selected Topics in Engineering Materials; Introduction to Solid State Ionics**

ENMA489W Selected Topics in Engineering Materials: Introduction to Solid State Ionics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eric Wachsman	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	EGR 1110

ENMA490 **Materials Design**

ENMA490 Materials Design; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Senior standing.* Capstone design course. Students work in teams on projects evaluating a society or industry based materials problem and then design and evaluate a strategy to minimize or eliminate the problem; includes written and oral presentations.

0101	Raymond Phaneuf	Seats (Total: 23)
	MW 12:00pm - 2:50pm	EGR 0312

ENMA499 **Senior Laboratory Project**

ENMA499 *(PermReq)* **Senior Laboratory Project; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Briber	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA620 **Polymer Physics**

ENMA620 Polymer Physics; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENMA471; or permission of instructor.* The thermodynamics, structure, morphology and properties of polymers. Developing an understanding of the relationships between theory and observed behavior in polymeric materials.

0101	Robert Briber, Mohamad Al-Sheikhly	Seats (Total: 25)
	MW 5:00pm - 6:15pm	CHE 2145

ENMA625 **Biomaterials**

ENMA625 *(PermReq)* **Biomaterials; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA425, ENMA698I, BIOE698I, or ENBE453. Formerly: ENMA698I.* Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	CHE 2110

ENMA645 **Advanced Liquid Crystals and Other Monomeric Soft Matter Materials**

ENMA645 Advanced Liquid Crystals and Other Monomeric Soft Matter Materials; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENMA645 or ENMA698D. Formerly: ENMA698D. Elective course on the properties and behavior of liquid crystal and related soft materials, and their relationship to biomaterials and applications.

0101	Luz Martinez-Miranda	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	EGR 2116

ENMA661 **Kinetics of Reactions in Materials**

ENMA661 Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA660. The theory of thermally activated processes in solids as applied to diffusion, nucleation and interface motion. Cooperative and diffusionless transformations. Applications selected from processes such as allotropic transformations, precipitation, martensite formation, solidification, ordering, and corrosion.

0101	Sreeramamurthy Ankem	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CHE 2136

ENMA671 **Defects in Materials**

ENMA671 *(PermReq)* **Defects in Materials; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Materials Science & Engineering department. Fundamental aspects of point (electronic and atomic) defects, dislocations, and surfaces and interfaces in materials. Defect interactions, defect models, and effects of zero, one and two dimensional defects on material behavior.

0101	Lourdes Salamanca-Riba	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 1102

ENMA682 **Electron Microscopy for Research**

ENMA682 *(PermReq)* **Electron Microscopy for Research; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA682 or ENMA698J. Formerly: ENMA698J. An overview of the basic principles of operation for modern electron microscopes and how they are used in modern research. Details will be given on the construction of microscopes, their basic operation, and the types of questions that can be addressed with an electron microscope. Emphasis will be placed on a conceptual understanding of the underlying theories, and how to apply these to real-world research problems. Independent study into a specific area of electron microscopy will contribute to a term paper. Upon completion of this course, student will be expected to have a basic understanding sufficient to give interpretations of microscopy images and to suggest the correct tool or approach for certain research studies.

0101	John Cumings	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	CHE 2118

ENMA683 **Structural Determination Laboratory**

ENMA683 Structural Determination Laboratory; (1 credit) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698L or ENMA683. Formerly: ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Wen-An Chiou	Seats (Total: 5)
	W 9:00am - 11:00am	KEB 1237

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Oded Rabin, Isabel Lloyd F 1:00pm - 2:30pm	Seats (Total: 20) CHE 2110

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698A **Special Problems in Materials Science and Engineering; Advanced Computational Materials Science**

ENMA698A Special Problems in Materials Science and Engineering: Advanced Computational Materials Science; (3 credits) Grade Method: REG/AUD.

0101	Yifei Mo TuTh 9:30am - 10:45am	Seats (Total: 9) EGR 0312

ENMA698W **Special Problems in Materials Science and Engineering; Solid State Ionics**

ENMA698W Special Problems in Materials Science and Engineering: Solid State Ionics; (3 credits) Grade Method: REG/AUD.

0101	Eric Wachsman TuTh 11:00am - 12:15pm	Seats (Total: 10) EGR 1110

ENMA797 **Independent Study**

ENMA797 Independent Study; (3 credits) Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Raymond Phaneuf Contact instructor or department for details.	Seats (Total: 5)

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Spring 2014

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	Kenneth Kiger	Seats (Total: 50)
	Th 12:30pm - 1:30pm	KEB 1110

ENME242 **Building Products that Last - Failure is NOT an Option!**

ENME242 Building Products that Last - Failure is NOT an Option!; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Have you ever wondered why airplanes crash or bridges collapse? Or even why your car is always in the shop or your computer screen goes blank? This course will let you in on the secret of why engineered products and structures fail and how designers are changing how they work to make products with higher reliability and longer life-spans. Even more, it will make you think about the many consequences that arise from failure ranging from direct replacement cost and legal liability to environmental impact and even changes in government policies and regulation

0101	Patrick McCluskey TuTh 12:30pm - 1:45pm	Seats (Total: 45) SPH 1303	

ENME272 **Introduction to Computer Aided Design**

ENME272 *(PermReq)* **Introduction to Computer Aided Design; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 and MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME 414 or ENME272.
Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.

0101	Guangming Zhang M 8:00am - 9:50am	Seats (Total: 42) KEB 2111	
0201	Guangming Zhang W 8:00am - 9:50am	Seats (Total: 42) KEB 2111	
0301	Guangming Zhang F 8:00am - 9:50am	Seats (Total: 42) KEB 2111	

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331. Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	James Duncan MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0102	James Duncan MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab

0103	James Duncan MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0104	James Duncan MW 12:00pm - 12:50pm W 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 JMP 2202	 Lab
0105	James Duncan MW 12:00pm - 12:50pm Th 3:00pm - 4:40pm	Seats (Total: 30) EGR 1202 JMP 1109	 Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Bao Yang, Marino diMarzo MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 PHY 1204	 Lab
0102	Marino diMarzo, Bao Yang MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 EGR 0108	 Lab
0103	Bao Yang, Marino diMarzo MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 34) EGR 1202 CHE 2136	 Lab
0104	Bao Yang, Marino diMarzo MW 9:00am - 9:50am M 1:00pm - 2:50pm	Seats (Total: 35) EGR 1202 JMP 1202	 Lab
0106	Bao Yang, Marino diMarzo MW 9:00am - 9:50am F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 PHY 1204	 Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS271 and PHYS270. Credit only granted for: ENME252 or ENME350. Formerly: ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Xinan Liu, Jungho Kim MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab
0102	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Tu 3:30pm - 5:20pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab
0103	Jungho Kim, Xinan Liu MW 8:00am - 8:50am W 3:30pm - 5:20pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, ENME350, and PHYS270. Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Sarah Bergbreiter, Don DeVoe MW 10:00am - 10:50am M 3:30pm - 5:20pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab
0102	Don DeVoe, Sarah Bergbreiter MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab
0103	Sarah Bergbreiter, Don DeVoe MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 50) EGR 1202 EGR 3108	 Lab

0104	Don DeVoe, Sarah Bergbreiter MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 40) EGR 1202 EGR 3108	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Amr Baz TuTh 9:30am - 10:45am	Seats (Total: 120) JMP 3201	
0301	Mostafa Nouh TuTh 9:30am - 10:45am	Seats (Total: 50) JMP 2121	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221; and (ENME392 or STAT400). Restriction: Must be in Engineering: Mechanical program. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0201	Vincent Nguyen MW 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 35) EGR 1202 EGL 0101	 Lab
0202	Vincent Nguyen MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 35) EGR 1202 EGL 0101	 Lab
0203	Vincent Nguyen MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 30) EGR 1202 EGL 0101	 Lab

0204	Vincent Nguyen MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 33) EGR 1202 EGL 0101	 Lab
0205	Vincent Nguyen MW 11:00am - 11:50am Th 7:00pm - 8:50pm	Seats (Total: 33) EGR 1202 EGL 0101	 Lab

ENME382 **Introduction to Materials Engineering**

ENME382 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Ratna Kolli MWF 9:00am - 9:50am	Seats (Total: 50) JMP 3201	
0201	Isabel Lloyd MWF 9:00am - 9:50am	Seats (Total: 50) SYM 0200	
0301	Aristos Christou TuTh 11:00am - 12:15pm	Seats (Total: 87) KEB 1110	

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

0101	Johan Larsson TuTh 11:00am - 12:15pm	Seats (Total: 120) JMP 3201	

ENME400 **Machine Design**

ENME400 *(PermReq)* **Machine Design; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENME361 and ENME382. Restriction: Permission of ENGR-Mechanical Engineering department.* Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Zelalem Eshete	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm	EGR 0135	
	Th 4:30pm - 6:30pm	KEB 2111	Discussion

ENME408 **Selected Topics in Engineering Design; Automotive Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Leonard Hamilton	Seats (Total: 35)
	MW 5:00pm - 6:15pm	JMP 2202

ENME424 **Urban Microclimate and Energy**

ENME424 *(PermReq)* **Urban Microclimate and Energy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME423. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME424 or 808i. Additional information: Will be offered "shared" with graduate course, ENME808i, same title. Urban microclimate from the perspective of transient heat and mass transfer using building energy simulations for building clusters as well as LEED building certification criteria. The focus is on understanding building energy consumption and environmental impacts from the individual building scale to a neighborhood scale

0101	Jelena Srebric	Seats (Total: 15)
	Th 5:00pm - 7:40pm	EGR 2154

ENME431 **Nuclear Reactor Systems and Safety**

ENME431 *(PermReq)* **Nuclear Reactor Systems and Safety; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME430 and MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Also offered as: ENNU465. Credit only granted for: ENNU465 and ENME431. Engineering, material and thermal aspects of light water reactors, fast reactors, high temperature gas reactors, heavy water moderated reactors, breeder reactors, advanced reactors including GEN IV designs. Evolution of light water reactor safety and regulation in the US that has culminated in the current body of regulations.

0101	Robert Sanders MW 2:00pm - 3:15pm	Seats (Total: 25) JMP 2121
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME436 **Renewable Energy**

ENME436 *(PermReq)* **Renewable Energy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. Restriction: Must be in a major within the ENGR-Mechanical Engineering department. Credit only granted for: ENME489K or ENME436. Formerly: ENME489K. Fundamentals, design/analysis tools, and state of the art renewable energy technologies. Energy resources and global perspectives of current and future energy demand/consumption trends, followed by prime renewable energy technologies, including wind, solar, hydro, geothermal, and ocean thermal energy conversion. Economics of renewable energy, energy conservation opportunities, CO2 capture and storage, and thermal energy storage.

0101	Michael Ohadi TuTh 9:30am - 10:45am	Seats (Total: 50) CHE 2118

ENME461 **Control Systems Laboratory**

ENME461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351 and ENME361. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENEE461, ENME461, or ENME489N. Formerly: ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control familiarize them with the characteristics and limitations of real control devices. Students will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Also offered as ENEE461.

0101	William Levine MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0102	William Levine MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab
0103	William Levine MW 9:00am - 9:50am F 9:00am - 12:00pm	Seats (Total: 14) KEB 1110 KEB 3209	 Lab

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351 and ENME361. Formerly: ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Monther Hasouneh, Nikhil Chopra MW 10:00am - 10:50am F 9:00am - 10:50am	Seats (Total: 29) JMP 3201 EGR 0312	 Discussion
0102	Monther Hasouneh, Nikhil Chopra MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 42) JMP 3201 KEB 2111	 Discussion

0103	Nikhil Chopra, Monther Hasouneh MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 42) JMP 3201 KEB 2111	 Discussion

ENME464 **Cost Analysis for Engineers**

ENME464 *(PermReq)* **Cost Analysis for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME392; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Mechanical Engineering department. An introduction to the financial and cost analysis aspects of product engineering. Introduces key elements of traditional engineering economics including interest, present worth, depreciation, taxes, inflation, financial statement analysis, and return on investment. Provides an introduction to cost modeling as it applies to product manufacturing and support. Cost modeling topics will include: manufacturing cost analysis, life-cycle cost modeling (reliability and warranty), and cost of ownership.

0101	Peter Sandborn TuTh 9:30am - 10:45am	Seats (Total: 50) SPH 0302

ENME466 **Lean Six Sigma**

ENME466 *(PermReq)* **Lean Six Sigma; (3 credits)** Grade Method: REG.
Prerequisite: ENME392, BMGT230, or STAT400; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME466 or ENME489B. Formerly: ENME489B. This course intends to provide in-depth understanding of Lean Six Sigma and its Define - Mearsure - Analyze - Improve - Control (DMAIC) Breakthrough Improvement Strategy. The emphasis is placed on the DMAIC process which is reinforced via application of semester long corporate projects and case study analysis.

0101	David Bigio TuTh 3:30pm - 4:45pm	Seats (Total: 40) EGR 0110

ENME470 **Finite Element Analysis**

ENME470 *(PermReq)* **Finite Element Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department. Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Gary Pertmer, Jeffrey Herrmann, Charles Carr, Vincent Nguyen TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 34) EGR 1202 EGL 0101	 Discussion
0102	Vincent Nguyen, Gary Pertmer, Jeffrey Herrmann, Charles Carr TuTh 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion
0103	Charles Carr, Gary Pertmer, Vincent Nguyen, Jeffrey Herrmann TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion
0104	Charles Carr, Jeffrey Herrmann, Gary Pertmer, Vincent Nguyen TuTh 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion
0106	Jeffrey Herrmann, Charles Carr, Vincent Nguyen, Gary Pertmer TuTh 11:00am - 11:50am W 6:00pm - 7:50pm	Seats (Total: 30) EGR 1202 EGL 0101	 Discussion

ENME476 **Microelectromechanical Systems (MEMS) I**

ENME476 Microelectromechanical Systems (MEMS) I; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Senior standing. Credit only granted for: ENME476 or ENME489F. Formerly: ENME489F. Fundamentals of microelectromechanical systems (MEMS). Introduction to transducers and markets. MEMS fabrication processes and materials, including bulk micromachining, wet etching, dry etching, surface micromachining, sacrificial layers, film deposition, bonding, and non-traditional micromachining. Introduction to the relevant solid state physics, including crystal lattices, band structure, semiconductors, and doping. The laboratory covers safety, photolithography, profilometry, wet etching.

0101	Elisabeth Smela	Seats (Total: 15)
	MW 3:30pm - 4:45pm	EGR 0110

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489C **Special Topics in Mechanical Engineering; Medical Robotics**

ENME489C *(PermReq)* **Special Topics in Mechanical Engineering: Medical Robotics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jaydev Desai	Seats (Total: 20)
	MW 11:00am - 12:15pm	EGR 0110

ENME489D **Special Topics in Mechanical Engineering; Flight Dynamics and Simulation**
Contact department for information to register for this course.

ENME489E **Special Topics in Mechanical Engineering; Design for Sustainability**

ENME489E *(PermReq)* **Special Topics in Mechanical Engineering: Design for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Senthil Arul	Seats (Total: 45)
	M 5:00pm - 7:40pm	EGR 1108

ENME489I **Special Topics in Mechanical Engineering; Computational Dynamics**

ENME489I *(PermReq)* **Special Topics in Mechanical Engineering: Computational Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME271, ENME331, and permission of department.

0101	Christopher Chabalko	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 0135

ENME489M **Special Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

ENME489M *(PermReq)* **Special Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Yunho Hwang	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	EGR 3102

ENME489P **Special Topics in Mechanical Engineering; Internal Combustion Engines**

ENME489P *(PermReq)* **Special Topics in Mechanical Engineering: Internal Combustion Engines; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232, ENME331, and permission of department. Co-requisite: ENME332.

0101	Leonard Hamilton	Seats (Total: 50)
	MW 3:30pm - 4:45pm	JMP 2121

ENME489Q **Special Topics in Mechanical Engineering; Managing for Innovation and Quality**

ENME489Q *(PermReq)* **Special Topics in Mechanical Engineering: Managing for Innovation and Quality; (3 credits)** Grade Method: REG/P-F/AUD.
Department permission required.

0101	George Dieter TuTh 2:00pm - 3:15pm	Seats (Total: 30) EGR 0135

ENME489R **Special Topics in Mechanical Engineering; Fiber Optics**

ENME489R *(PermReq)* **Special Topics in Mechanical Engineering: Fiber Optics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Miao Yu TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 1104

ENME489T **Special Topics in Mechanical Engineering; Nuclear Reactor Design**

ENME489T *(PermReq)* **Special Topics in Mechanical Engineering: Nuclear Reactor Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME430 and MATH246.

0101	Robert Sanders MW 11:00am - 12:15pm	Seats (Total: 10) JMP 2121
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 10) ONLINE

ENME489W **Special Topics in Mechanical Engineering; Pollution and Waste Technology**

ENME489W *(PermReq)* **Special Topics in Mechanical Engineering: Pollution and Waste Technology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwani Gupta Th 4:00pm - 6:40pm	Seats (Total: 40) ITV 1100

ENME489Z **Special Topics in Mechanical Engineering; Advanced Strength of Materials**

ENME489Z *(PermReq)* **Special Topics in Mechanical Engineering: Advanced Strength of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Abhijit Dasgupta MW 2:00pm - 3:15pm	Seats (Total: 45) EGR 0110

ENME600 **Engineering Design Methods**

ENME600 Engineering Design Methods; (3 credits) Grade Method: REG/AUD.
An introductory graduate level course in critical thinking about formal methods for design in Mechanical Engineering. Course participants gain background on these methods and the creative potential each offers to designers. Participants will formulate, present, and discuss their own opinions on the value and appropriate use of design materials for mechanical engineering.

0101	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 20) JMP 2216
ER01	Linda Schmidt Class time/details on ELMs	Seats (Total: 5) ONLINE
HT01	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 2) Location: TBA
RE01	Linda Schmidt Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 2) Location: TBA
SM01	Linda Schmidt Tu 4:00pm - 6:40pm	Seats (Total: 2) Location: TBA

ENME607 **Engineering Decision Making and Risk Management**

ENME607 Engineering Decision Making and Risk Management; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ENRE671. Credit only granted for: ENME808X, ENRE671 or ENME607. Formerly: ENME 808X. Individual decision-making, group decisionmaking, and organizations of decision-makers in the context of engineering design, project management, and other functions. Techniques for making better decisions, for understanding how decisions are related to each other, and for managing risk.

0101	Shapour Azarm TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMP 2222
ER01	Shapour Azarm Contact instructor or department for details.	Seats (Total: 7)
RE01	Shapour Azarm Contact instructor or department for details.	Seats (Total: 5)
SM01	Shapour Azarm Contact instructor or department for details.	Seats (Total: 5)

ENME625 **Multidisciplinary Optimization**

ENME625 Multidisciplinary Optimization; (3 credits) Grade Method: REG/AUD.
Overview of single- and multi-level design optimization concepts and techniques with emphasis on multidisciplinary engineering design problems. Topics include single and multilevel optimality conditions, hierarchic and nonhierarchic modes and multilevel post optimality sensitivity analysis. Students are expected to work on a semester-long project.

0101	Shapour Azarm TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMP 1202

ENME632 **Advanced Convection Heat Transfer**

ENME632 Advanced Convection Heat Transfer; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENNU615 or ENME632. Statement of conservation of mass, momentum and energy. Laminar and turbulent heat transfer in ducts, separated flows, and natural convection. Heat and mass transfer in laminar boundary layers. Nucleate boiling, film boiling, Leidenfrost transition and critical heat flux. Interfacial phase change processes; evaporation, condensation, industrial applications such as cooling towers, condensers. Heat exchangers design.

0101	Jungho Kim	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 2116

ENME635 **Energy Systems Analysis**

ENME635 Energy Systems Analysis; (3 credits) Grade Method: REG/AUD.
Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.

0101	K Radermacher	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 3102

ENME641 **Viscous Flow**

ENME641 Viscous Flow; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME640; or students who have taken courses with comparable content may contact the department; or permission of instructor. Formerly: ENME652. Fluid flows where viscous effects play a significant role. Examples of steady and unsteady flows with exact solutions to the Navier-Stokes equations. Boundary layer theory. Stability of laminar flows and their transition to turbulence.

0101	Amir Riaz	Seats (Total: 20)
	MW 5:00pm - 6:15pm	EGR 1110

ENME665 **Advanced Topics in Vibrations**

ENME665 Advanced Topics in Vibrations; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME662; and permission of instructor.* Nonlinear oscillations and dynamics of mechanical and structural systems. Classical methods, geometrical, computational and analytical methods. Birfurcations of equillibrium and periodic solutions; chaos.

0101	B Balachandran TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 3114

ENME672 **Composite Materials**

ENME672 Composite Materials; (3 credits) Grade Method: REG/AUD. Micromechanics of advanced composites with passive and active reinforcements, mathematical models and engineering implications, effective properties and damage mechanics, recent advances in "adaptive" or "smart" composites.

0101	Hugh Bruck TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMP 2217
HT01	Hugh Bruck TuTh 2:00pm - 3:15pm	Seats (Total: 2) Location: TBA
PE01	Hugh Bruck TuTh 2:00pm - 3:15pm	Seats (Total: 10) Location: TBA
SG01	Hugh Bruck TuTh 2:00pm - 3:15pm	Seats (Total: 2) Location: TBA
SM01	Hugh Bruck TuTh 2:00pm - 3:15pm	Seats (Total: 2) Location: TBA

ENME674 **Finite Element Methods**

ENME674 *(PermReq)* **Finite Element Methods; (3 credits)** Grade Method: REG/AUD.
Theory and application of finite element methods for mechanical engineering problems such as stress analysis, thermal and fluid flow analysis, electro-magnetic field analysis and coupled boundary-value problems for "smart" or "adaptive" structure applications, stochastic finite element methods. Also offered as ENAE488C and ENAE652.

0101	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 20) JMP 2222
HT01	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 2) Location: TBA
SG01	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA
SM01	Peter Chung MW 5:10pm - 6:25pm	Seats (Total: 5) Location: TBA

ENME695 **Failure Mechanisms and Reliability**

ENME695 Failure Mechanisms and Reliability; (3 credits) Grade Method: REG/AUD.

This course will present classical reliability concepts and definitions based on statistical analysis of observed failure distributions. Techniques to improve reliability, based on the study of root-cause failure mechanisms, will be presented; based on knowledge of the life-cycle loadprofile, product architecture and material properties. Techniques toprev ent operational failures through robust design and manufacturing practices will be discussed. Students will gain the fundamentals and skills in the field of reliability as it directly pertains to the designand the manufacture of electrical, mechanical, andelectomechanical products.

0101	Michael Pecht M 9:00am - 11:40am	Seats (Total: 20) JMP 2216
ER01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE
HT01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA
RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA

SM01	Michael Pecht M 9:00am - 11:40am	Seats (Total: 5) Location: TBA

ENME700 **Advanced Mechanical Engineering Analysis I**

ENME700 Advanced Mechanical Engineering Analysis I; (3 credits) Grade Method: REG/AUD.
An advanced, unified approach to the solution of mechanical engineering problems, emphasis is on the formulation and solution of equilibrium, eigenvalue and propagation problems. Review and extension of undergraduate material in applied mathematics with emphasis on problems in heat transfer, vibrations, fluid flow and stress analysis which may be formulated and solved by classical procedures.

0101	Edward Magrab TuTh 2:00pm - 3:15pm	Seats (Total: 28) EGR 2116

ENME712 **Measurement, Instrumentation and Data Analysis for Thermo-Fluid Processes**

ENME712 Measurement, Instrumentation and Data Analysis for Thermo-Fluid Processes; (3 credits) Grade Method: REG/AUD.
This course is designed to offer systemic coverage of the methodologies for measurement and data analysis of thermal and fluid processes at the graduate level. The course materials will cover three broad categories: (1) Fundamentals of thermal and fluid processes in single phase and multi phase flows as relates to this course; Measurement and Instrumentation techniques for measurement of basic quantities such as pressure, temperature, flow rate, heat flux, etc., and (3) Experimental Design and Planning, sources of errors in measurements, and uncertainty analysis.

0101	Kenneth Kiger MW 2:00pm - 3:15pm	Seats (Total: 28) ITV 1100

ENME713 **Nanoparticle Aerosol Dynamics**

ENME713 Nanoparticle Aerosol Dynamics; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Permission of instructor. Also offered as: CHEM608. Credit only granted for: ENME713 or ENME808M. Formerly: ENME808M. Covers the basic science of nanoparticle formation, growth, and transport; the science and engineering of measurement; and the environmental impact and industrial use of nanoparticles.

0101	Michael Zachariah TuTh 9:30am - 10:45am	Seats (Total: 9) EGR 1104

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**
Contact department for information to register for this course.

ENME808B **Advanced Topics in Mechanical Engineering; Data-Driven Modeling and Estimation in Dynamical Systems**

ENME808B Advanced Topics in Mechanical Engineering: Data-Driven Modeling and Estimation in Dynamical Systems; (3 credits) Grade Method: REG/AUD.

0101	Jin-Oh Hahn TuTh 5:00pm - 6:15pm	Seats (Total: 20) CHE 2145

ENME808I **Advanced Topics in Mechanical Engineering; Urban Microclimate and Energy**

ENME808I Advanced Topics in Mechanical Engineering: Urban Microclimate and Energy; (3 credits) Grade Method: REG/AUD.

0101	Jelena Srebric Th 5:00pm - 7:40pm	Seats (Total: 15) EGR 2154

ENME808K **Advanced Topics in Mechanical Engineering; Mircoelectromechanical Systems (MEMS) I**

ENME808K Advanced Topics in Mechanical Engineering: Mircoelectromechanical Systems (MEMS) I; (3 credits) Grade Method: REG/AUD.

0101	Elisabeth Smela MW 3:30pm - 4:45pm	Seats (Total: 10) EGR 0110

ENME808L **Advanced Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design II**

ENME808L Advanced Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design II; (3 credits) Grade Method: REG/AUD.

0101	Yunho Hwang TuTh 2:00pm - 3:15pm	Seats (Total: 7) EGR 3102

ENME808M **Advanced Topics in Mechanical Engineering; Medical Robotics**

ENME808M Advanced Topics in Mechanical Engineering: Medical Robotics; (3 credits) Grade Method: REG/AUD.

0101	Jaydev Desai MW 11:00am - 12:15pm	Seats (Total: 10) EGR 0110

ENME808R **Advanced Topics in Mechanical Engineering; Fiber Optics**

ENME808R Advanced Topics in Mechanical Engineering: Fiber Optics; (3 credits) Grade Method: REG/AUD.

0101	Miao Yu TuTh 3:30pm - 4:45pm	Seats (Total: 10) EGR 1104

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Spring 2014

ENNU648K **Special Problems in Nuclear Engineering; Reactor Physics and Engineering**

ENNU648K Special Problems in Nuclear Engineering: Reactor Physics and Engineering; (3 credits) Grade Method: REG/AUD.

NE01	Mahmoud Massoud	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ENNU648M **Special Problems in Nuclear Engineering; Degradation of Materials**

ENNU648M Special Problems in Nuclear Engineering: Degradation of Materials; (3 credits) Grade Method: REG/AUD.

NE01	Jason Gruber	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Spring 2014

ENPM601 **Analog and Digital Communication Systems**

ENPM601 Analog and Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM600; or students who have taken courses with comparable content may contact the department. Analog modulation methods including AM, DSBSC-AM, SSB, and QAM; effects of noise in analog modulation systems. Digital communication methods for the infinite bandwidth additive white Gaussian noise channel: PAM, QAM, PSK, FSK modulation; optimum receivers using the MAP principle; phase- locked loops; error probabilities. Digital communication over bandlimited channels: intersymbol interference and Nyquist's criterion, adaptive equalizers, symbol clock and carrier recovery systems, trellis coding. Spread spectrum systems: direct sequence modulation and frequency hopping.

0101	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Sasan Haghani Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM602 **Data Networks**

ENPM602 Data Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department. Principles of network design, circuit switching and packet switching, OSI Reference Model; parity and cyclic redundancy check codes; retransmission request protocols; Markov chains and queuing models for delay analysis; multiaccess communication, local area networks, Ethernet and Token Ring standards; routing, flow control, internetworking; higher layer functions and protocols. Software tools for network simulation and performance analysis will be used.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM607 **Computer System Design and Architecture**

ENPM607 Computer System Design and Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE446; or students who have taken courses with comparable content may contact the department. Principles of computer design and cost/performance factors; instruction set design and implementation, RISC vs. CISC instruction sets; control unit and pipeline design; floating-point arithmetic; memory hierarchy designs, caches, memory interleaving, virtual memory; I/O device interconnections to CPUs and main memory. Additional topics include parallel system designs, SIMD, MIMD, SPMD; interconnection networks for processors and memories; optimization of pipeline operations; superscalar architectures, power management techniques.

0101	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 17) JMP 2217
HT01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM612 **System and Software Requirements**

ENPM612 System and Software Requirements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM611. Credit only granted for: ENPM612 or ENPM808K. Formerly: ENPM808K. Focus will be placed on the theoretical and practical aspects of requirements development. Students will recognize the place of requirements, how to work with users, requirements methods and techniques, the various requirements types, how to set requirements development schedules, requirements evolution, how to model and prototype requirements, how to evaluate and manage risk in requirements, techniques to test requirements, how to manage the requirements process, and how to write an effective requirements document.

0101	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM614 **Software Testing & Maintenence**

ENPM614 *(PermReq)* **Software Testing & Maintenence; (3 credits)** Grade Method: REG/AUD.
Aspects of software development after coding is completed will be covered. Students will understand the various levels of testing, techniques for creating test data, how to manage test cases and scenarios, testing strategies and methods, testing batch, client/server, real-time, and Internet systems, and the development of an effective test plan. Software maintenance will include the creation of easily maintained software; preventive maintenance, corrective maintenance, and enhancements; configuration management practices; and assuring quality in software manintenance.

0101	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mikael Lindvall Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM625 **Heating, Ventilation and Air Conditioning of Buildings**

ENPM625 Heating, Ventilation and Air Conditioning of Buildings; (3 credits)
Grade Method: REG/AUD.
Low pressure side of buildings heating and cooling systems. Thermodynamics, heat transfer and digital control principles applied to field problems. Quantitative analyses stressed. Topics include psychometrics, thermal loads, incompressible flow in ducts and pipes, heat exchangers, cooling towers, PID control systems.

0101	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM642 **Systems Requirements, Design and Trade-Off Analysis**

ENPM642 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641 or ENSE621; or permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE622. Credit only granted for: ENPM642, ENSE602, or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENSE622.

0101	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 35) JMP 2121
HT01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mark Austin M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM644 **Human Factors in Systems Engineering**

ENPM644 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE624. Credit only granted for: ENPM644 or ENSE624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENSE624.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 40) JMP 3201
HT01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE626. Credit only granted for: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 20) JMP 2121
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM647 **Systems Quality and Robustness Analysis**

ENPM647 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Office of Advanced Engineering Education. Also offered as: ENSE627. Credit only granted for: ENPM647 or ENSE627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENSE627.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 2216
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM650 **Solar Thermal Energy Systems**

ENPM650 Solar Thermal Energy Systems; (3 credits) Grade Method: REG/AUD. *Credit only granted for: ENPM808A or ENPM650. Formerly: ENPM808A. Additional information: This course will be offered online only.* Covers the full range of technologies that utilize solar radiation for heating, cooling, lighting and electrical power generation, excluding photovoltaic applications. Topics include: Solar radiation calculations and predictions; Solar spectral characteristics, and diffuse and direct solar radiation; Passive solar applications; Heating; Daylighting; Thermal storage; Fenestration systems; Architectural design; Active solar applications for heating; Solar collectors; Water-based systems; ir-based systems; Domestic hot water heating; Space heating; Process heating; Cooling systems; Flat plate versus concentrating collectors; Fixed versus tracking collector systems; Solar thermal electrical power generation; Dish/Stirling engine systems; Linear concentrator systems; Power tower systems; Thermal storage; Combined cycle applications; Systems design and integration; Control systems and system operation; and Performance calculations and predictions.

0101	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Brian Valentine Class time/details on ELMs	Seats (Total: 40) ONLINE
SG01	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Brian Valentine Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM655 **Contaminant Transport and Fate in the Environment**

ENPM655 Contaminant Transport and Fate in the Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: Basic chemistry, physics and mathematics, including some calculus; knowledge of organic chemistry will be helpful. Formerly: ENPM808I. Introduces the physics and chemistry of contaminant migration in various environmental media, including surface water, groundwater, and air. The characteristics of each of these environmental media will be described; then, based on the unique aspects of each medium, the physical, chemical, and biological processes controlling transport in each will be presented. An interdisciplinary approach integrates principles of engineering and natural science to provide both the scientific basis and the quantitative description of contaminant migration, with focus on application of intuitively-based models. Topics include: nature of environmental media, fundamental principles of mass transport, and chemical transformation in various media. Fundamental principles of chemistry, physics, and chemical engineering will be used to derive and apply simple models describing physiochemical transformations of contaminants and their transfer from one medium to another. This course intends to provide students with the basic skills and knowledge needed to manage, evaluate, and/or perform contaminant fate and transport analyses.

0101	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) ONLINE
ME01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 15) ONLINE
SG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM656 **Energy Conversion II -- Mobile Power**

ENPM656 Energy Conversion II -- Mobile Power; (3 credits) Grade Method: REG/AUD.

Credit only granted for: ENPM656 or ENPM808G. Formerly: ENPM808G. Presents the scientific and engineering basis for design, manufacture, and operation of thermal conversion technologies utilized for mobility power generation. The interface between fuel combustion chemistry and generated power are addressed. The practical aspects of design and operation of various alternatives for power are compared. The impact of choices with regard to power and fuel alternatives as well as air pollution potential are also considered.

0101	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
ME01	Leonard Hamilton Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Leonard Hamilton Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM671 **Advanced Mechanics of Materials**

ENPM671 Advanced Mechanics of Materials; (3 credits) Grade Method: REG/AUD.

Credit only granted for: ENPM808M or ENPM671. Formerly: ENPM808M. Formulate and quantitatively state the mechanical/physical responses of structural components and configurations subjected to loads, temperature, pre-strains etc. The two methods of anlysis employed are the mechanics of materials approach and the theory of elasticity approach. Analysis and design of components of structural/machine systems as experienced in aeronautical, civil, mechanical and nuclear engineering.

0101	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Gilad Sharon M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM672 **Fundamentals for Thermal Systems**

ENPM672 Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate engineering, physics or chemistry degree. Restriction: Permission of ENGR-Office of Advanced Engineering Education. Credit only granted for: ENPM672 or ENPM808J. Formerly: ENPM808J. Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

ME01	David Didion Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM677 **Wireless Sensor Networks**

ENPM677 Wireless Sensor Networks; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENPM677 or ENPM808I. Formerly: ENPM808I. Focuses on networking aspects, protocols and architectures for Wireless Sensor Networks. Provides a thorough description of the most important issues and questions that have to be addressed in a wireless sensor neto work.

0101	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 17) JMP 2216
HT01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM683 **Chemistry of Energetic Materials**

ENPM683 Chemistry of Energetic Materials; (3 credits) Grade Method: REG/AUD. *Recommended: Background in general chemistry is strongly desired. Credit only granted for: ENPM683 or ENPM808Q. Formerly: ENPM808Q.* An introduction to the chemistry of energetic materials (explosives, propellants, and pyrotechnics), organized by traditional functional groups. Primary and secondary explosives, including the properities and syntheses of nitrate esters, nitramines, and nitro compounds, as well as other energetic compunds will be discussed. Other topics discussed are: crystallization, polymorphism, sensitivity, and various explosive and propellant compositions.

PE01	Joseph Mannion Class time/details on ELMs	Seats (Total: 20) ONLINE

ENPM691 **Programming in C for Cybersecurity Applications**

ENPM691 Programming in C for Cybersecurity Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENEE150; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENPM808M or ENPM 691. Formerly: ENPM808M. Teaches the fundamentals of secure programming in C. An in depth discussion on various security vulnerabilities (e.g., buffer overflows) in C applications will be taught with hands-on demo of concepts during the class. Students will learn how a C program runs "under-the-hood". The course will teach nitty-gritty of C programs by analyzing at the assembly level. The course discusses best practices (e.g., coding standards) and design principles for secure programming so that security can be built-in during design time. In addition to assignments, students are required to present papers related to this course.

0101	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217
HT01	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Dharmalingam Ganesan Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENPM808B **Advanced Topics in Engineering; Secure Operating Systems**

ENPM808B Advanced Topics in Engineering: Secure Operating Systems; (3 credits) Grade Method: REG/AUD.

0101	Atif Memon Tu 4:00pm - 6:40pm	Seats (Total: 17) JMP 2222
HT01	Atif Memon Tu 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	Atif Memon Tu 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	Atif Memon Tu 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPM808C **Advanced Topics in Engineering; Planning for Autonomous Robots**

ENPM808C Advanced Topics in Engineering: Planning for Autonomous Robots; (3 credits) Grade Method: REG/AUD.

0101	Petr Svec M 4:00pm - 6:40pm	Seats (Total: 17) JMP 2120
HT01	Petr Svec M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

SG01	Petr Svec M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	Petr Svec M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPM808E **Advanced Topics in Engineering; Information Assurance**

ENPM808E Advanced Topics in Engineering: Information Assurance; (3 credits) Grade Method: REG/AUD.

0101	Michel Cukier M 4:00pm - 6:40pm	Seats (Total: 25) JMP 2217
HT01	Michel Cukier M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	Michel Cukier M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	Michel Cukier M 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPM808P **Advanced Topics in Engineering; Digital Forensics and Incidence Responses**

ENPM808P Advanced Topics in Engineering: Digital Forensics and Incidence Responses; (3 credits) Grade Method: REG/AUD.

0101	Robert Maxwell W 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Robert Maxwell W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Robert Maxwell W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Robert Maxwell W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808R **Advanced Topics in Engineering; Design and Synthesis of Digital Systems**

ENPM808R Advanced Topics in Engineering: Design and Synthesis of Digital Systems; (3 credits) Grade Method: REG/AUD.

0101	George Zaki M 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	George Zaki M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	George Zaki M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	George Zaki M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808T **Advanced Topics in Engineering; Perception for Autonomous Robots**

ENPM808T Advanced Topics in Engineering: Perception for Autonomous Robots; (3 credits) Grade Method: REG/AUD.

0101	John Aloimonos W 4:00pm - 6:40pm	Seats (Total: 17) JMP 2216
DE01	John Aloimonos Class time/details on ELMs	Seats (Total: 5) ONLINE
HT01	John Aloimonos W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SG01	John Aloimonos W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA
SM01	John Aloimonos W 4:00pm - 6:40pm	Seats (Total: 5) Location: TBA

ENPM808W **Advanced Topics in Engineering; Advanced Energy Audit**

ENPM808W Advanced Topics in Engineering: Advanced Energy Audit; (3 credits) Grade Method: REG/AUD.

ME01	Michael Ohadi	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENPM808X **Advanced Topics in Engineering; Nuclear Reactor: Dynamics and Control**
Contact department for information to register for this course.

ENPP Engineering and Public Policy Spring 2014

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Restriction: Must have Practicum Proposal approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Steven Gabriel	Seats (Total: 10)
	Contact instructor or department for details.	

ENRE Reliability Engineering Spring 2014

ENRE447 **Fundamentals of Reliability Engineering**

ENRE447 Fundamentals of Reliability Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ENRE445 or ENRE447. Formerly: ENRE445. Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

0101	Mohammad Modarres	Seats (Total: 30)
	Tu 3:20pm - 5:50pm	JMP 2217
ER01	Mohammad Modarres	Seats (Total: 7)
	Class time/details on ELMs	ONLINE

HT01	Mohammad Modarres Tu 3:20pm - 5:50pm	Seats (Total: 2) Location: TBA
RE01	Mohammad Modarres Class time/details on ELMs	Seats (Total: 5) ONLINE
SG01	Mohammad Modarres Tu 3:20pm - 5:50pm	Seats (Total: 2) Location: TBA
SM01	Mohammad Modarres Tu 3:20pm - 5:50pm	Seats (Total: 2) Location: TBA

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE489G **Special Topics in Reliability Engineering; Fundamental Reliability Analysis**
Contact department for information to register for this course.

ENRE620 **Mathematical Techniques of Reliability Engineering**
Contact department for information to register for this course.

ENRE640 **Collection and Analysis of Reliability Data**
Contact department for information to register for this course.

ENRE645 **Human Reliability Analysis**

ENRE645 Human Reliability Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE600 and ENRE602; or permission of ENGR-Mechanical Engineering department. Credit only granted for: ENRE645 or ENRE734. Formerly: ENRE734.* Methods of solving practical human reliability problems, the THERP, SLIM, OAT and SHARP methods, performance shaping factors, human machine systems analysis, distribution of human performance and uncertainty bounds, skill levels, source of human error probability data, examples and case studies.

0101	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 20) JMP 2217
ER01	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) Location: TBA
RE01	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 10) Location: TBA

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE655 **Advanced Methods in Reliability Modeling**

ENRE655 Advanced Methods in Reliability Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665. Bayesian methods and applications, estimation of rare event frequencies, uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

0101	Reza Kazemi-Tabriz Th 4:00pm - 6:40pm	Seats (Total: 10) JMP 2222
ER01	Reza Kazemi-Tabriz Class time/details on ELMs	Seats (Total: 15) ONLINE
HT01	Reza Kazemi-Tabriz M 12:30pm - 3:10pm	Seats (Total: 10) Location: TBA
RE01	Reza Kazemi-Tabriz Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Reza Kazemi-Tabriz M 12:30pm - 3:10pm	Seats (Total: 10) Location: TBA

SM01	Reza Kazemi-Tabriz M 12:30pm - 3:10pm	Seats (Total: 10) Location: TBA

ENRE671 **Risk Assessment in Engineering**

ENRE671 Risk Assessment in Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE670. Credit only granted for: ENRE648W or ENRE671. Formerly: ENRE648W.* Introduction to risk management and decision-making, including uncertainty propagation, importance ranking, risk acceptance criteria, decision analysis and other decsion-making techniques, risk communication.

0101	Shapour Azarm TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMP 2222
ER01	Shapour Azarm Contact instructor or department for details.	Seats (Total: 7)
RE01	Shapour Azarm Contact instructor or department for details.	Seats (Total: 5)
SM01	Shapour Azarm Contact instructor or department for details.	Seats (Total: 5)

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Spring 2014

ENSE622 **Systems Requirements, Design and Trade-Off Analysis**

ENSE622 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641 and ENSE621; or permission of ENGR-Institute for Systems Research. Also offered as: ENPM642. Credit only granted for: ENPM642 or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENPM642.

0101	Mark Austin	Seats (Total: 35)
	M 7:00pm - 9:40pm	JMP 2121

ENSE624 **Human Factors in Systems Engineering**

ENSE624 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM644. Credit only granted for: ENPM644 or ENSE624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENPM644.

0101	Robert Beaton Th 7:00pm - 9:40pm	Seats (Total: 40) JMP 3201

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 20) JMP 2121
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENSE627 **Systems Quality and Robustness Analysis**

ENSE627 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)**
Grade Method: REG.
Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM647. Credit only granted for: ENPM647 or ENSE627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENPM647.

0101	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 30) JMP 2216
HT01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Guangming Zhang W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENSE698C **Special Topics in Systems Engineering; Cybersecurity for the Smart Grid**

ENSE698C Special Topics in Systems Engineering: Cybersecurity for the Smart Grid; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE244 and ENEE350; or graduate standing; or permission of the instructor. Background on power systems, computer networks, and/or security is recommended, but not required. This course will cover the fundamentals of smart grid and the necessary background in computer security; a comprehensive study on the potential threats, vulnerabilities, and risks of smart grid; and recent research advances and industrial practices on smart grid cybersecurity. The class will be designed to accommodate a mixture of regular lectures, paper presentations, in-class discussion, and guest lectures by researchers from NIST and industry.

0101	Gang Qu MW 5:00pm - 6:15pm	Seats (Total: 20) EGR 2154

ENSE698F **Special Topics in Systems Engineering; Current Issues in Federal Acquisition**

ENSE698F Special Topics in Systems Engineering: Current Issues in Federal Acquisition; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758P and PUAF689F.

0101	Jacques Gansler M 4:00pm - 6:40pm	Seats (Total: 20) JMP 2216

ENSE698G **Special Topics in Systems Engineering; Human Reliability Analysis**

ENSE698G Special Topics in Systems Engineering: Human Reliability Analysis; (3 credits) Grade Method: REG/AUD.

0101	Monifa Vaughn-Cooke Tu 9:00am - 11:40am	Seats (Total: 20) JMP 2217

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Spring 2014

ENSP101 **Introduction to Environmental Science**

Contact department for information to register for this course.

ENSP102 **Introduction to Environmental Policy**

ENSP102 Introduction to Environmental Policy; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
Additional information: May be taken before or after ENSP101. Second of two courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on the process of formulating, implementing, and evaluating policy responses to environmental problems, with particular attention to policy controversies related to scientific uncertainty, risk assessment, the valuation of nature, and distributional equity. May be taken before or after ENSP101.

0101	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 ITV 1111	Discussion
0102	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 EGR 0135	Discussion
0103	Joanna Goger TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 23) SHM 2102 ITV 1111	Discussion
0104	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 PHY 1204	Discussion
0105	Joanna Goger TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 JMP 1109	Discussion

0106	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 SYM 0215	Discussion
0107	Joanna Goger TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 22) SHM 2102 HBK 0105	Discussion

ENSP340 **Water: Science, Ethics and Law**

ENSP340 *(PermReq)* **Water: Science, Ethics and Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of AGNR-Dean-Environmental Science & Policy Program. Recommended: ENSP102 and ENSP101. Credit only granted for: ENSP340 or ENSP399B. Formerly: ENSP399B. Exploration of legal, policy, ethical, and scientific apsects of water resource protection and management. Focus on water pollution, water availability, ecosystems, and sustainability.

0101	Joanna Goger TuTh 12:30pm - 1:45pm	Seats (Total: 25) PLS 1113

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy**

ENSP399 *(PermReq)* **Special Topics in Environmental Science and Policy; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 *(PermReq)* **Capstone in Environmental Science and Policy; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ENSP101; and ENSP102. Restriction: Senior standing; or permission of the Director of ENSP. And must be in Environmental Science and Policy program.
Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James	Seats (Total: 45)	
	TuTh 3:30pm - 4:45pm	HBK 0103	

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology Spring 2014

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos	Seats (Total: 40)	
	TuTh 2:00pm - 3:15pm	ANS 0408	
	W 11:00am - 11:50am	ANS 0422	Discussion
0102	Lance Yonkos	Seats (Total: 40)	
	TuTh 2:00pm - 3:15pm	ANS 0408	
	W 12:00pm - 12:50pm	ANS 0422	Discussion

ENST250 **Environmental Issues and Culture in USA and Russia**

ENST250 Environmental Issues and Culture in USA and Russia; (2 credits) Grade Method: REG.
Recommended: Recommended for Freshmen and Sophomores only. Explore environmental issues and culture with university students at Moscow State University of Environmental Engineering, Moscow, Russia via weekly videoconferences. Culture and environmental issues of both countries will be examined via individual and group presentations and guided discussions.

0101	Robert Hill	Seats (Total: 15)
	W 9:00am - 10:50am	SYM 0118

ENST309 **Advanced Field Soil Morphology**

ENST309 Advanced Field Soil Morphology; (1 credit) Grade Method: REG/P-F/AUD.

0101	Martin Rabenhorst	Seats (Total: 15)
	Contact instructor or department for details.	

ENST314 **Fisheries Management and Sustainability**

ENST314 Fisheries Management and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Or ENST214; and 1 course from MATH113-499 course range. Or permission of AGNR-Environmental Science & Technology department. A detailed look at the ecology, management, and sustainability of fisheries resources. Concepts on human and ecological dimensions are emphasized.

0101	Reginal Harrell	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST334 **Environmental Toxicology**

ENST334 Environmental Toxicology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM132, and BSCI207; or permission of AGNR-Environmental Science & Technology department.* Concepts and case histories in ecotoxicology. Emphasis on origin and variety of environmental pollutants, routes of biological exposure, modes of toxicological action and effects on individual organisms, populations and ecosystems. Ecotoxicological issues in the Chesapeake Bay will be used as examples.

0101	Daniel Fisher	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	ANS 0412	

ENST360 **Ecosystem Ecology**

ENST360 Ecosystem Ecology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106. Restriction: Must be in one of the following programs (Environmental Sci & Tech: Ecological Tech Design; Environmental Sci & Tech: Environmental Health; Environmental Sci & Tech: Soil & Watershed Science; Environmental Sci & Tech: Natural Resources Mgmt; Environmental Sci & Tech).* The study of ecology has a long and interesting history, from early society's efforts to understand and alter their environment as a matter of survival to the challenges the modern world is facing that are global in scale. Through the course text, distributed supplemental chapter readings and an understanding of the scientific literature, this course will cover the essential concepts and principles of ecosystem ecology as well as its history and past and present controversies. Several of the basic methods and tools of field research and the applied management of ecosystems will be discussed and demonstrated with several field excursions in the natural environs of the DC area. Central to this course will be the understanding that modern human society is an integral part of nature, with the power to impact and influence elements of the natural world at multiple scales. An analysis of policy implications for the biosphere will be discussed.

0101	Peter May	Seats (Total: 20)	
	M 12:00pm - 12:50pm	ANS 0422	
	Tu 2:00pm - 6:00pm	ANS 0538	Lab
	M 1:00pm - 1:50pm	ANS 0422	Discussion

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 50)	
	Contact instructor or department for details.		

ENST405 **Energy and Environment**

ENST405 Energy and Environment; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH140; or MATH220. Restriction: Junior standing or higher. Also offered as: ENST605. Credit only granted for: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly: NRMT489Z.* Introduction to the role of energy in environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing. Also offered as MEES698Z.

0101	David Tilley	Seats (Total: 42)	
	MWF 10:00am - 10:50am	ANS 0422	

ENST407 **Environmental Plant Physiology**

ENST407 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or (BSCI106 and BSCI105). Recommended: CHEM131 and CHEM132. Restriction: Junior standing or higher. Also offered as: PLSC400. Credit only granted for: PLSC400 or ENST407. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses.

0101	Heven Sze, Wendy Peer, Jianhua Zhu	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PLS 2137	
	Th 4:00pm - 6:50pm	HJP 2230	Lab

ENST421 **Soil Chemistry**

ENST421 Soil Chemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200. Credit only granted for: ENST421 or NRSC421. Formerly: NRSC421. The chemistry and composition of mineral and organic colloids in soils, including ion exchange, oxidation-reduction, acidity, surface charge, and solution chemistry. Lectures and readings pertain to plant nutrition, waste disposal, and groundwater quality.

0101	Bruce James	Seats (Total: 25)	
	MWF 1:00pm - 1:50pm	SYM 0209	
	Tu 8:00am - 11:00am	HJP 0134	Lab

ENST423 **Soil-Water Pollution**

ENST423 Soil-Water Pollution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM104 and ENST200; and permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST423 or NRSC423. Reaction and fate of pesticides, agricultural fertilizers, industrial and animal wastes in soil and water with emphasis on their relation to the environment.

0101	Robert Hill	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	ANS 0412	

ENST430 **Wetland Soils**

ENST430 Wetland Soils; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200. Credit only granted for: ENST430, ENST630, or NRSC461. Formerly: NRSC461. The soils of wetlands including hydrology, chemistry, and genesis are discussed. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 14)	
	MW 2:00pm - 2:50pm	JMZ 2123	
	M 3:00pm - 6:00pm	HJP 0210	Lab

ENST432 **Environmental Microbiology**

ENST432 Environmental Microbiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI105, CHEM131, and CHEM132. Credit only granted for: ENST432 or ENST499M. Formerly: ENST499M.* Microorganisms are everywhere and mediate many of the processes that we observe everyday. These organisms are the unseen catalysts for numerous industrial processes and are critical to many emerging technologies and novel products. Environmental microbiologists ask: How do microorganisms in the environment benefit society? This course will answer this question by examining microbes in bioremediation, food safety, climate change, and biotechnology.

0101	Stephanie Yarwood MW 2:00pm - 3:15pm	Seats (Total: 30) JMP 1109

ENST436 **Emerging Environmental Threats**

ENST436 Emerging Environmental Threats; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST233; or permission of AGNR-Environmental Science & Technology department. Examine new and potential environmental concerns in the air, water, soil, space, and the built environment. Emphasis on studying the intrinsic links between ecosystem and human health. Topics will include climate change, resource consumption, biodiversity change, infectious disease, non-traditional pollutants, and other complex and significant environmental concerns.

0101	Paul Leisnham MWF 12:00pm - 12:50pm	Seats (Total: 35) ANS 0412

ENST440 **Crops, Soils and Civilization**

ENST440 Crops, Soils and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Credit only granted for: ENST440 or NRSC440. Formerly: NRSC440. Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James MWF 11:00am - 11:50am	Seats (Total: 42) PLS 1119

ENST443 **Industrial Ecology**

ENST443 Industrial Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140 or MATH220; and BSCI361. Or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST643. Credit only granted for: ENST443, ENST643, or MEES698J. Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

0101	Patrick Kangas	Seats (Total: 20)	
	M 11:00am - 11:50am	ANS 0422	
	W 11:00am - 2:50pm	ANS 0538	Lab

ENST445 **Ecological Risk Assessment**

ENST445 Ecological Risk Assessment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333, BSCI361, and BIOM301; or permission of AGNR-Environmental Science & Technology department. Assessment of ecological impacts of perturbations on natural systems. Course will describe quantitative methods for estimating environmental impacts by extrapolating from laboratory and field data. The role of regulatory agencies and implications of scientific uncertainty on risk management will be covered.

0101	Wendy Hillwalker	Seats (Total: 30)
	M 4:00pm - 7:00pm	ANS 0412

ENST452 **Wetland Creation and Restoration**

ENST452 Wetland Creation and Restoration; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106; and (BSCI362, ENST450, or MEES650). Or permission of AGNR-Environmental Science & Technology department. Also offered as: MEES652, ENST652. Credit only granted for: ENST452, ENST652, or MEES652. Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment. Two mandatory Friday afternoon field trips will be held from 1:00-6:00pm (dates to be announced in class); hip length wading boots are recommended for field trips.

0101	Andrew Baldwin	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	ANS 0412	

ENST453 **Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology**

ENST453 Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ENST453 or ENST653. Concepts of surface water balance, surface radiative flux, precipitation and evaporation measurements.

0101	Michael Kearney	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	ANS 0422	

ENST462 **Field Techniques in Wildlife Management**

ENST462 Field Techniques in Wildlife Management; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: ENST461 and ENST460. Credit only granted for: ENST462, NRMT462, or NRMT489B. Formerly: NRMT462. Hands-on experience with field techniques in wildlife management focusing on various methods of conducting indices, estimates, and censuses of wildlife populations. Includes capture and handling of amphibians, reptiles, birds, and mammals by use of drift fences, cover boards, mist nets, box traps, and dart guns.

0101	Jennifer Murrow	Seats (Total: 15)	
	M 3:00pm - 7:00pm	ANS 0422	Lab

ENST464 **Wildlife Habitat Modeling**

ENST464 Wildlife Habitat Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST460; and GEOG373. Restriction: Permission of AGNR-College of Agriculture & Natural Resources. Principles of wildlife data analysis applied at the population level. This class is designed for Wildlife and Conservation majors, especially those students considering graduate school. This class will teach students real world techniques used to determine and model habitat use on multiple scales using statistical analyses, GIS, and stand-alone programs such as GME and Biomapper.

0101	Jennifer Murrow MW 1:00pm - 2:15pm	Seats (Total: 15) ANS 0509

ENST472 **Capstone II**

ENST472 *(PermReq)* **Capstone II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENST471. Restriction: Must be in a major within AGNR-Environmental Science & Technology department; and permission of AGNR-Environmental Science & Technology department. This course is the second in a two-part series. Students will continue work on projects proposed and begun in ENST471. Focus on professional project preparation, presentation, critical evaluation on environmental science research, professional development, and career planning. Students will develop and present original projects and critique projects presented by others.

1201	Andrew Baldwin Contact instructor or department for details.	Seats (Total: 15)
1501	Gary Felton Contact instructor or department for details.	Seats (Total: 15)
1505	Daniel Fisher Contact instructor or department for details.	Seats (Total: 15)
1801	Patrick Kangas Contact instructor or department for details.	Seats (Total: 15)
1805	Michael Kearney Contact instructor or department for details.	Seats (Total: 15)
1901	Joshua McGrath Contact instructor or department for details.	Seats (Total: 15)
2601	David Tilley Contact instructor or department for details.	Seats (Total: 15)
2605	Robert Tjaden Tu 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 15) ANS 1420
2701	Raymond Weil Contact instructor or department for details.	Seats (Total: 15)

4001	Mike Hunninghake Contact instructor or department for details.	Seats (Total: 15)	

ENST479 **Tropical Ecology and Resource Management**

ENST479 *(PermReq)* **Tropical Ecology and Resource Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI 106, an introductory economics course, and permission of the department. This is a travel-study course in which a trip to Belize is mandatory. Credit will be granted for only one of the following: ENST 479 or NRMT 479. Formerly NRMT 479.

0101	Patrick Kangas W 5:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 10) ANS 1420	

ENST481 **Ecological Design**

ENST481 Ecological Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH220 or MATH140; and (PHYS121 and CHEM131); and (BSCI361; or students who have taken courses with comparable content may contact the department). Or permission of instructor. Restriction: Permission of AGNR-Environmental Science & Technology department. Also offered as: ENST681, MEES681. Credit only granted for: ENST481, ENST681, or MEES681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development. Concepts covered include ecology, ecological engineering, nutrient cycling, emergy, lifecycle analysis, and design process. Technologies include treatment wetlands, living machines, anaerobic digestion, rain gardens, bioswales, bioremediation, algal turf scrubbers, and green building design.

0101	Stephanie Lansing MW 2:00pm - 2:50pm Tu 9:00am - 10:50am	Seats (Total: 20) ANS 0422 ANS 0538	 Lab
0201	Stephanie Lansing MW 2:00pm - 2:50pm Th 9:00am - 10:50am	Seats (Total: 20) ANS 0422 ANS 0538	 Lab

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499D **Special Topics in Environmental Science and Technology; Anaerboic Digestion Design and Testing**

ENST499D Special Topics in Environmental Science and Technology: Anaerboic Digestion Design and Testing; (1 credit) Grade Method: REG/P-F/AUD.
Credit only granted for ENST499D or ENST689D.

0101	Stephanie Lansing	Seats (Total: 5)
	Contact instructor or department for details.	

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

ENST499X *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499Y **Special Topics in Environmental Science and Technology; College Teaching**

ENST499Y *(PermReq)* **Special Topics in Environmental Science and Technology: College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST499Z **Special Topics in Environmental Science and Technology; Introductory University Instruction**

ENST499Z Special Topics in Environmental Science and Technology: Introductory University Instruction; (1 credit) Grade Method: REG/P-F/AUD.

0101	Lance Yonkos	Seats (Total: 1)	
	Contact instructor or department for details.		

ENST608 **Research Methods**

Contact department for information to register for this course.

ENST630 **Advanced Wetland Soils**

ENST630 Advanced Wetland Soils; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST200. Credit only granted for: ENST630, ENST403, or NRSC461. The soils of wetlands including hydrology, biogeochemistry, and pedogenesis, including a focused discussion of current literature. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 6)	
	MW 2:00pm - 2:50pm	JMZ 2123	
	M 3:00pm - 6:00pm	HJP 0210	Lab
	W 12:00pm - 12:50pm	SYM 0209	Discussion

ENST640 **Advanced Crops, Soils, and Civilization**

ENST640 Advanced Crops, Soils, and Civilization; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ENST440. Credit only granted for: ENST440 or ENST640. Explore the rise, cycling, resilience, and decline of civilizations and apply learning to modern issues in the fields of sustainability, environmental ethics, natural resource management, and agriculture. Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James	Seats (Total: 7)	
	MWF 11:00am - 11:50am	PLS 1119	

ENST643 **Advanced Industrial Ecology**

ENST643 Advanced Industrial Ecology; (3 credits) Grade Method: REG/AUD. *Prerequisite: BSCI361; and permission of AGNR-Environmental Science & Technology department. Also offered as: ENST443. Credit only granted for: ENST443 or ENST643.* Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

0101	Patrick Kangas	Seats (Total: 20)	
	M 11:00am - 11:50am W 11:00am - 2:50pm	ANS 0422 ANS 0538	 Lab

ENST681 **Advanced Ecological Design**

ENST681 Advanced Ecological Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: Must have completed one semester of calculus; and (CHEM131 and PHYS121). Or permission of instructor. Also offered as: ENST481, MEES681. Credit only granted for: ENST481, ENST681, or MEES681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development.

0101	Stephanie Lansing	Seats (Total: 20)	
	MW 2:00pm - 2:50pm Th 9:00am - 10:50am	ANS 0422 ANS 0538	 Lab

ENST689D **Special Topics; Anaerboic Digestion Design and Testing**

ENST689D Special Topics: Anaerboic Digestion Design and Testing; (1 credit) Grade Method: REG/AUD.
Credit only granted for ENST499D or ENST689D.

0101	Stephanie Lansing	Seats (Total: 5)
	Contact instructor or department for details.	

ENST689M **Special Topics; Advanced Topics in Microbial Diversity**

ENST689M Special Topics: Advanced Topics in Microbial Diversity; (3 credits) Grade Method: REG/AUD.

0101	Stephanie Yarwood M 9:00am - 11:50am	Seats (Total: 15) ANS 1420

ENST689N **Special Topics; Living Machine and Aquatic Restorer Construction**

ENST689N Special Topics: Living Machine and Aquatic Restorer Construction; (2 credits) Grade Method: REG/AUD.

0101	Patrick Kangas Contact instructor or department for details.	Seats (Total: 1)

ENST689X **Special Topics; Methods in University Teaching**

ENST689X *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Weil Contact instructor or department for details.	Seats (Total: 2)

ENST689Z **Special Topics; Introductory University Instruction**

ENST689Z Special Topics: Introductory University Instruction; (1 credit) Grade Method: REG/AUD.

0101	Lance Yonkos Contact instructor or department for details.	Seats (Total: 1)

ENST702 **Environmental Science and Technology: Communication and Pro fessional Development**

ENST702 Environmental Science and Technology: Communication and Pro fessional Development; (2 credits) Grade Method: REG/AUD.
Restriction: Must be in Environmental Sci & Tech program; or permission of instructor.
Training in communication and professional development to prepare students to succeed in careers within the fields of environmental science and technology. Topics will include manuscript and technical writing, job search, communication with academic and non-academic audiences, multi-disciplinary collaboration, management (project, personnel, time), professionalism, leadership, ethics, and career opportunities. Course emphasizes practical training through facilitated discussions and critique practicums.

0101	Brian Needelman	Seats (Total: 25)	
	W 3:00pm - 3:50pm	ANS 1420	
	F 2:00pm - 4:00pm	ANS 1420	Discussion

ENST789 **Advances in Research**

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Martin Rabenhorst, Paul Leisnham	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Spring 2014

ENTM667 **Aquatic Entomology**

ENTM667 Aquatic Entomology; (3 credits) Grade Method: REG.
Biology, ecology, and taxonomy of aquatic insects in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration.

0101	William Lamp	Seats (Total: 20)	
	W 1:00pm - 1:50pm	PLS 1168	
	W 2:00pm - 5:00pm	PLS 1161	Lab
	F 1:00pm - 3:00pm	PLS 1161	Discussion

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Jeffrey Shultz, Cerruti Hooks	Seats (Total: 75)
	F 12:00pm - 1:50pm	PLS 1130

ENTM798D **Topic Seminar; Insect Pest Management**

ENTM798D Topic Seminar: Insect Pest Management; (1 credit) Grade Method: REG/AUD.

0101	Galen Dively, Cerruti Hooks	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Spring 2014

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits) Grade Method: REG/AUD.
Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler Th 2:00pm - 4:45pm	Seats (Total: 40) SQH 1121
0201	David Kressler Th 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121

ENTS629B **Special Topics in Cybersecurity; Cryptography and Network Security**

ENTS629B Special Topicsl in Cybersecurity: Cryptography and Network Security; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Krishnan Balakrishnan F 5:30pm - 8:15pm	Seats (Total: 30) EGR 0135

ENTS629C **Special Topics in Cybersecurity; Fundamentals of IT Systems Security**

ENTS629C Special Topicsl in Cybersecurity: Fundamentals of IT Systems Security; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Reza Eftekari F 2:00pm - 4:45pm	Seats (Total: 30) EGR 0108

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

0101	Jahangir Boroumand Tu 5:30pm - 8:15pm	Seats (Total: 36) SQH 2120
0201	Jahangir Boroumand Tu 2:00pm - 4:45pm	Seats (Total: 30) ARC 1101

ENTS632 **Telecommunications Marketing Management**

ENTS632 Telecommunications Marketing Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Topics covered include strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. The course also addresses volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Janet Wagner W 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121
0201	Janet Wagner W 2:00pm - 4:45pm	Seats (Total: 40) SQH 2117

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support.

0101	Pamela Armstrong M 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121
0201	Pamela Armstrong M 2:00pm - 4:45pm	Seats (Total: 40) SQH 1103

ENTS641 **Networks and Protocols II**

ENTS641 Networks and Protocols II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTS640. Restriction: Must be in Telecommunications (Master's) program. Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enchanced Interior Gateway Routing Protocol (EIGRP). Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).

0101	Mehdi Kalantari Khandani Th 5:30pm - 8:15pm	Seats (Total: 40) CSI 2107
0201	Mehdi Kalantari Khandani Th 2:00pm - 4:45pm	Seats (Total: 40) CHM 1228

ENTS649A **Special Topics in Networking; Optical Communication Networks**

ENTS649A Special Topics in Networking: Optical Communication Networks; (3 credits) Grade Method: REG/AUD.

0101	Reza Eftekari F 9:00am - 11:45am	Seats (Total: 30) TYD 1101

ENTS656 **Introduction to Cellular Communication Networks**

ENTS656 Introduction to Cellular Communication Networks; (3 credits) Grade Method: REG/AUD.
Concepts and techniques involved in wireless digital communications with emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

0101	Michael Dellomo Tu 5:30pm - 8:15pm Th 5:30pm - 8:15pm	Seats (Total: 24) CHE 2108 AVW 1458	 Lab
0102	Michael Dellomo Tu 5:30pm - 8:15pm W 2:00pm - 4:45pm	Seats (Total: 24) CHE 2108 AVW 1458	 Lab

ENTS659B **Special Topics in Communications; Microwave Radio Communications Systems**

ENTS659B Special Topics in Communications: Microwave Radio Communications Systems; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Rikin Thakker F 2:00pm - 4:45pm	Seats (Total: 30) EGR 2154

ENTS670 **Introduction to Business and Enterpreneurship**

ENTS670 Introduction to Business and Enterpreneurship; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Credit only granted for: ENTS670 or ENTS689J. This is a fundamental course that provides a broad introduction to various business issues faced by any small business or starup. Course instructors present the key issues involved in outlining a clear value proposition and profitable business model, managing and monitoring finances, developing a winning team, addressing legal considerations, executing on operations including marketing sales, manufacturing and service.

0101	Oliver Schlake W 5:30pm - 8:15pm	Seats (Total: 30) SQH 1107

ENTS689G **Special Topics in Telecommunications; Design and Analysis of Communication Networks**

ENTS689G Special Topics in Telecommunications: Design and Analysis of Communication Networks; (3 credits) Grade Method: REG/AUD.
Please click here for further course information.

0101	Majid Raissi-Dehkordi M 5:30pm - 8:15pm	Seats (Total: 24) CSS 2416

ENTS689K **Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics in Telecommunications: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG/AUD.
Please click here for further course information.

0201	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689L **Special Topics in Telecommunications; Cellular Network Infrastructure- Cell Site Design and Components**

ENTS689L Special Topics in Telecommunications: Cellular Network Infrastructure- Cell Site Design and Components; (3 credits) Grade Method: REG/AUD.
Click here for further course information.

0101	Rikin Thakker F 5:30pm - 8:15pm	Seats (Total: 30) EGR 0108

ENTS759A **Advanced Topics in Communications; 3G/4G Wireless Networks and Systems**

ENTS759A Advanced Topics in Communications: 3G/4G Wireless Networks and Systems; (3 credits) Grade Method: REG/AUD.
Click here for further course information.

0101	Kamran Etemad F 2:00pm - 4:45pm	Seats (Total: 25) CSS 2416
0201	Kamran Etemad F 5:30pm - 8:15pm	Seats (Total: 25) CSS 2416

ENTS759B **Advanced Topics in Communications; Wireless OFDM Systems**

ENTS759B Advanced Topics in Communications: Wireless OFDM Systems; (3 credits) Grade Method: REG/AUD.
Click here for further course information.

0101	Alejandra Mercado Tu 2:00pm - 4:45pm	Seats (Total: 30) CHE 2145
0201	Alejandra Mercado W 2:00pm - 4:45pm	Seats (Total: 30) EGR 3106

ENTS759C **Advanced Topics in Communications; Optimization, Drivetesting, and Analysis of Modern Cellular Networks**

ENTS759C Advanced Topics in Communications: Optimization, Drivetesting, and Analysis of Modern Cellular Networks; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Michael Dellomo W 5:30pm - 8:15pm Th 2:00pm - 4:45pm	Seats (Total: 15) EGR 1108 AVW 1458	 Lab

EPIB Epidemiology and Biostatistics Spring 2014

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras Th 4:00pm - 6:45pm	Seats (Total: 30) SPH 0307
PLH1	Typhanye Dyer Class time/details on ELMs *Restricted to students in PHPP or Z076 major only.*	Seats (Total: 25) ONLINE

EPIB611 **Intermediate Epidemiology**

EPIB611 *(PermReq)* **Intermediate Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Analysis of epidemiologic methods as applied to epidemiologic research, analysis of bias, confounding, effect modification issues, overview of design, implementation, and analysis of epidemiologic studies.

0101	Cher Dallal Th 4:00pm - 6:45pm	Seats (Total: 20) SPH 0301

EPIB620 **Chronic Disease Epidemiology**

EPIB620 *(PermReq)* **Chronic Disease Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.

0101	Olivia Carter-Pokras Tu 4:00pm - 6:45pm	Seats (Total: 22) SPH 0308

EPIB641 **Public Health and Research Ethics**

EPIB641 *(PermReq)* **Public Health and Research Ethics; (1 credit)** Grade Method: REG/AUD.
Overview and discussion of ethical issues that face public health practitioners and researchers. Also offered as KNES689Y.

0101	Barbara Alving **Meets January 27, 2014 - March 15, 2014** F 11:00am - 12:50pm	Seats (Total: 30) SPH 0305

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.* Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Xin He W 7:00pm - 9:45pm	Seats (Total: 25) SPH 1301
PLH1	Raul Cruz-Cano Class time/details on ELMs *Restricted to students in PHPP or Z076 major only.*	Seats (Total: 25) ONLINE

EPIB651 **Biostatistics II**

EPIB651 *(PermReq)* **Biostatistics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EPIB650. Recommended: EPIB698C (SAS Basics).* Introduction to a variety of statistical tools with applictions in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and mutiple regression.

0101	Shuo Chen W 4:00pm - 6:45pm	Seats (Total: 20) SPH 0307

EPIB653 **Survival Data Analysis**

EPIB653 *(PermReq)* **Survival Data Analysis; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EPIB650 and EPIB651.* Overview of statistical methods for anlayzing censored survival data, including the Kaplan-Meier estimator and the log-rank test.

0101	Mei-Ling Lee W 1:00pm - 3:45pm	Seats (Total: 25) SPH 0302

EPIB785 **Internship in Public Health**

EPIB785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EXST Office of Extended Studies Spring 2014

EXST019A **Consecutive Interpretation; Multilingual Interpretation: Methodology**

PG01	Luigi David Luccarelli F 2:00pm - 4:00pm	Seats (Total: 16) SKN 3118

EXST019B **Consecutive Interpretation; Chinese into English/English into Chinese Interpretation**

PG01	Peng Wang, Victoria Segal Th 10:00am - 12:00pm	Seats (Total: 16) SKN 3118

EXST019C **Consecutive Interpretation; Spanish into English Interpretation**

PG01	Luigi David Luccarelli F 2:00pm - 4:00pm	Seats (Total: 16) SKN 3118

EXST019D **Consecutive Interpretation; French into English, English into Spanish Interpretation**

PG01	Rosalinda Meza-Steel Sa 10:30am - 12:30pm	Seats (Total: 16) SKN 3118

EXST019E **Consecutive Interpretation; English into French Interpretation**

PG01	Instructor: TBA M 4:00pm - 6:00pm	Seats (Total: 16) SKN 3118

EXST019F **Consecutive Interpretation; Arabic into English Interpretation**

PG01	Alaa Elgibali Th 3:30pm - 5:30pm	Seats (Total: 16) SKN 3118

EXST019G **Consecutive Interpretation; English into Arabic Interpretation**

PG01	Nelly Kabbouche Tu 9:30am - 11:30am	Seats (Total: 16) SKN 3117

EXST019H **Consecutive Interpretation; Spanish into English Sight Translation**

PG01	Luigi David Luccarelli F 4:00pm - 5:00pm	Seats (Total: 16) SKN 3117

EXST019I **Consecutive Interpretation; Arabic into English Sight Translation**

PG01	Alaa Elgibali Th 5:30pm - 6:30pm	Seats (Total: 16) SKN 3118

EXST019K **Consecutive Interpretation; French/English Sight Translation**

PG01	Rosalinda Meza-Steel Sa 12:30pm - 1:30pm	Seats (Total: 16) SKN 3118

EXST029A **Introduction to Simultaneous Interpretation; Methodology**

PG01	Instructor: TBA **Meets March 14, 2014 - May 9, 2014** F 10:00am - 11:00am	Seats (Total: 16) SKN 3118

EXST029B **Introduction to Simultaneous Interpretation; English, Spanish, French, and Arabic**

PG01	Instructor: TBA **Meets March 14, 2014 - May 9, 2014** F 11:00am - 12:00pm	Seats (Total: 16) SKN 3118

EXST029C **Introduction to Simultaneous Interpretation; Chinese English**

PG01	Peng Wang **Meets March 28, 2014 - May 16, 2014** F 12:00pm - 2:00pm	Seats (Total: 16) SKN 3118

EXST049A **Translation for Specific Domains; Multilingual Translation; Methodology**

PG01	Peng Wang W 4:00pm - 5:00pm	Seats (Total: 10) SKN 3117

EXST049B **Translation for Specific Domains; Chinese into English/English into Chinese Translation**

PG01	Peng Wang W 5:30pm - 7:30pm	Seats (Total: 10) SKN 3117

EXST049C **Translation for Specific Domains; Spanish into English Translation**

PG01	Teresa Salazar W 6:00pm - 8:00pm	Seats (Total: 10) SKN 3117

EXST049D **Translation for Specific Domains; English into Spanish Translation**

PG01	Instructor: TBA Sa 10:00am - 12:00pm	Seats (Total: 10) SKN 3117	

EXST049E **Translation for Specific Domains; Chinese into English/English into Chinese Sight Translation**

PG01	Peng Wang W 7:30pm - 8:30pm	Seats (Total: 10) SKN 3117	

EXST049F **Translation for Specific Domains; English into Spanish Sight Translation**

PG01	Instructor: TBA Sa 12:00pm - 1:00pm	Seats (Total: 10) SKN 3117	

FILM Film Studies Spring 2014

FILM245 **Film Form and Culture**

FILM245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.* Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Brian Davis TuTh 12:30pm - 1:45pm Tu 6:10pm - 8:40pm	Seats (Total: 30) SQH 1103 TWS 1100	 Lab
0201	Marit Knollmueller MW 2:00pm - 3:15pm M 3:30pm - 6:00pm	Seats (Total: 30) TWS 0234 TWS 1100	 Lab
0301	Marit Knollmueller MW 11:00am - 12:15pm M 3:30pm - 6:00pm	Seats (Total: 30) KEY 0123 TWS 1100	 Lab

0401	Paul Cote	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	SQH 1103	
	Th 5:00pm - 7:30pm	TWS 1106	Lab

FILM299T **Special Topics in Film Studies; Cinema and the Transformation of Experience**

FILM299T Special Topics in Film Studies: Cinema and the Transformation of Experience; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.

0101	Eric Zakim, Luka Arsenjuk	Seats (Total: 50)
	MW 2:00pm - 3:15pm	HBK 0302 H

FILM302 **Cinema History II: The Sound Era**

FILM302 Cinema History II: The Sound Era; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-School of Languages, Literatures, and Cultures department. Introduction to the international history of cinema from sound around 1930 to the present.

0101	Mauro Resmini	Seats (Total: 30)
	M 2:00pm - 3:15pm	HBK 0302J
	W 2:00pm - 3:15pm	KEY 1117
	M 3:30pm - 5:30pm	HBK 0302J

FILM319N **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media; Display Cultures in Literature and Film**

FILM319N Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media: Display Cultures in Literature and Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program. Also offered as ENGL329N.

0101	Caitlin McGrath	Seats (Total: 28)
	TuTh 9:30am - 10:45am	SQH 1117

FILM332 **Brazilian Cinema**

FILM332 Brazilian Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PORT332, FILM332, or PORT378. Formerly: PORT378.
Brazilian films from the late 1950s to the present with a special view to the relationship between cinema, society, historical dates, and social changes in Brazil. Taught in English.

0101	Regina Igel	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 3205

FILM335 **The Arab-Israeli Conflict Through Film**

FILM335 The Arab-Israeli Conflict Through Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: SLLC335. Credit only granted for: SLLC235, FILM335, HEBR298B, or ISRL249B. Formerly: HEBR298B or ISRL249B. How does the Arab-Israeli Conflict represent itself? How do the actors within this conflict (and some from outside) come to understand this conflict by representing it to themselves? The prism of film will touch on many of the various discourses (history, society, culture). The course will investigate whether the medium of film represents and formulates this Conflict in a particular way.

0101	Eric Zakim, Valerie Anishchenkova	Seats (Total: 25)
	M 10:00am - 10:50am	SQH 1121
	W 10:00am - 11:50am	SQH 1121

FILM359P **Special Topics in Genres/Auteurs/Cinema Movements; The Films of Martin Scorsese**

FILM359P Special Topics in Genres/Auteurs/Cinema Movements: The Films of Martin Scorsese; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Also offered as ENGL329P.

0101	Marianne Conroy	Seats (Total: 28)
	TuTh 2:00pm - 3:15pm	TWS 1107

FILM369Q **Special Topics in Film Theories; Classical Film Theory**

FILM369Q Special Topics in Film Theories: Classical Film Theory; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-Film department.
Repeatable to 9 credits if content differs. Also offered as ENGL329Q.

0101	Oliver Gaycken	Seats (Total: 28)
	MW 12:30pm - 1:45pm	TWS 0236

FILM388 **Experiential Learning: Film Studies**

FILM388 *(PermReq)* **Experiential Learning: Film Studies; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Enrollment by permission of department only. Click here for more course information.

Contact department for information to register for this course.

FMSC Family Science Spring 2014

FMSC170 **Future of Families: Issues and Controversies**

FMSC170 Future of Families: Issues and Controversies; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: FMSC170 or FMSC298F. Formerly: FMSC298F. Examination of current trends and controversial issues in family life, including issues of marriage, reproductive technologies, adoption, child custody, remarriage, and marital violence.

0101	Instructor: TBA	Seats (Total: 50)
	Th 3:30pm - 6:00pm	SPH 1302

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: FMSC260 or FMST260. Formerly: FMST260. Couple relationships and their alternatives in contemporary dating, courtship and marriage. Restricted to majors or non-majors with less than or equal to 60 credits.

0101	Instructor: TBA	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	SPH 1301

FMSC280 **Global, Child & Family Health: Getting There Via E-Communications**

FMSC280 Global, Child & Family Health: Getting There Via E-Communications; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: FMSC280 or FMSC289G. Formerly: FMSC289G. Students will learn about global maternal, child and family health issues and how these issues may affect their lives. Interdisciplinary teams of students will collaborate to develop programs aimed at improving global family health through the use of information and communications technologies.

0101	Elisabeth Maring	Seats (Total: 65)
	TuTh 9:30am - 10:45am	CCC 1205

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC290 or FMST290. Formerly: FMST290. Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations. Restricted to majors or non-majors with less than or equal to 60 credits.

0101	Manouchehr Mokhtari	Seats (Total: 65)
	TuTh 5:00pm - 6:15pm	SPH 1312

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Patricia Fanflik TuTh 9:30am - 10:45am	Seats (Total: 75) SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger MWF 12:00pm - 12:50pm	Seats (Total: 60) SPH 1301
0201	Mia Smith-Bynum TuTh 9:30am - 10:45am	Seats (Total: 60) SPH 1301
0301	Mia Smith-Bynum TuTh 8:00am - 9:15am	Seats (Total: 60) SPH 1301

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Lauren Messina TuTh 9:30am - 10:45am	Seats (Total: 65) CSI 2117
0201	Lauren Messina TuTh 12:30pm - 1:45pm	Seats (Total: 65) SPH 1301
0301	Tiffani Stevenson Lloyd MWF 10:00am - 10:50am	Seats (Total: 65) SPH 1301

0401	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 65) SPH 1301

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: FMSC341 or FMST341. Formerly: FMST341. Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1312
SG91	William Knight M 2:00pm - 4:40pm	Seats (Total: 60) BLD3 3230
	Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2012 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Ashley Munger MWF 9:00am - 9:50am	Seats (Total: 50) SPH 1301
0201	Stephanie Grutzmacher TuTh 3:30pm - 4:45pm	Seats (Total: 50) SPH 1301

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Marian Jones MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1303

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC410 **Maternal, Child and Family Health**

FMSC410 Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC410 or FMSC498A. Formerly: FMSC498A. Overview of major issues, policies, and programs related to the health of women, children, and their families in the United States. Review of social, political, and economic determinants of maternal and child health and health disparities. Use of epidemiological methods and data to identify best practices for guiding maternal and child health policy and practice.

0101	Marian Jones MWF 9:00am - 9:55am	Seats (Total: 45) SPH 0302
0201	Edmond Shenassa TuTh 3:30pm - 4:45pm	Seats (Total: 50) SPH 0302
0301	Edmond Shenassa TuTh 5:00pm - 6:15pm	Seats (Total: 50) SPH 0302

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit only granted for: FMSC431 or FMST431. Formerly: FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger MWF 1:00pm - 1:50pm	Seats (Total: 65) SPH 1303
0201	Norman Epstein TuTh 11:00am - 12:15pm	Seats (Total: 50) SPH 0302

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (SOCY100 or SOCY105). And FMSC332; or must have completed a comparable development course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 10:00am - 10:50am	Seats (Total: 40) SPH 0302
0201	Jacqueline Wallen MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 0302

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull	Seats (Total: 65)
	MWF 9:00am - 9:50am	SPH 1303

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG.
Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures. Click here for Application Deadlines and additional details..

0101	Sherylls Kahn	Seats (Total: 90)
	W 3:30pm - 5:00pm	TWS 1100
	Contact instructor or department for details.	

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC487 or FMST487. Formerly: FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp	Seats (Total: 55)
	TuTh 11:00am - 12:15pm	SPH 1303

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H *(PermReq)* **Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498M **Special Topics: Family Science; Theory and Techniques of Family Mediation**
Contact department for information to register for this course.

FMSC610 **Research Methods in Family Studies**

FMSC610 Research Methods in Family Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645; or students who have taken courses with comparable content may contact the department. Credit only granted for: FMSC610 or FMST610. Formerly: FMST610. Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

0101	Sandra Hofferth	Seats (Total: 15)
	Th 1:00pm - 3:45pm	Location: TBA

FMSC647 **Theory and Techniques of Family Mediation**
Contact department for information to register for this course.

FMSC651 **Psychopathology in the Family Context**

FMSC651 *(PermReq)* **Psychopathology in the Family Context; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC650. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC651 or FMST651. Formerly: FMST651.
Diagnosis and treatment of psychopathology within the family context, with application of various family therapy models.

0101	Lindsey Hoskins Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC653 **Advanced Application of MFT Models and Techniques**

FMSC653 *(PermReq)* **Advanced Application of MFT Models and Techniques; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC652. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC653 or FMST653. Formerly: FMSC653.
Advanced application and integration of family therapy skills and theoretical models in the practice of marriage and family therapy. Emphasis on treatment plans from different therapeutic models demonstrated in case presentations and supervision of therapy.

0101	Carol Werlinich Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy; Theory and Practice of Clinical Supervision**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy: Theory and Practice of Clinical Supervision; (2 credits)** Grade Method: REG/AUD.

0101	Carol Werlinich W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA
0201	Leigh Leslie W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

FMSC689 **Research Internship**

FMSC689 *(PermReq)* **Research Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC730 **Key Topics in Maternal and Child Health**
Contact department for information to register for this course.

FMSC745 **Gender and Ethnicity in Family Therapy and Service Delivery**

FMSC745 *(PermReq)* **Gender and Ethnicity in Family Therapy and Service Delivery; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: FMSC745 or FMST745. Formerly: FMST745. Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.

0101	Leigh Leslie	Seats (Total: 10)
	Th 9:00am - 11:45am	Location: TBA

FMSC760 **Legal Issues & Families**

FMSC760 Legal Issues & Families; (3 credits) Grade Method: REG.
Credit only granted for: FMSC760 or FMST760. Formerly: FMST760. Analysis of marriage and family issues from a lega perspective. Review of legal decisions affecting families, including proceative rights, marriage, termination of marriage, parental and child rights, adoption, child custody, and child/family medical treatment. Relationship between family law and family policy.

0101	Kerry Tripp	Seats (Total: 15)
	W 9:00am - 11:45am	Location: TBA

FMSC780 **Qualitative Methods in Family and Health Research**

FMSC780 Qualitative Methods in Family and Health Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: FMSC780 or FMST780. Formerly: FMST780. Theoretical perspectives and methodological tools to conduct research with individuals and families across the life span. Review of research designs, participant fieldwork, observation and interview projects, data collection, computer-assisted data analysis, and development of grounded theory.

0101	Kevin Roy	Seats (Total: 15)
	M 11:00am - 1:45pm	Location: TBA

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC810 **Theory in Family Systems and Family Health**

Contact department for information to register for this course.

FMSC879 **Preparing Future Faculty and Professionals Seminar**

FMSC879 Preparing Future Faculty and Professionals Seminar; (1 credit) Grade Method: REG.

0101	Stephanie Grutzmacher, Manouchehr Mokhtari Contact instructor or department for details.	Seats (Total: 25)	

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Spring 2014

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu TuTh 10:30am - 12:30pm Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 4) JMZ 3122	Lab
0201	Naime Yaramanoglu Contact instructor or department for details. Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 4)	

FOLA139R **Directed Study of a Foreign Language II; Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA138R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 1:00pm - 2:30pm	JMZ 1226	Lab
	Contact instructor or department for details.		
0201	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	M 11:00am - 12:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Turkish IV - Intermediate**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Turkish IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Turkish**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 12:30pm - 1:30pm	JMZ 0208	Lab
	M 1:00pm - 2:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Urdu**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD. Students may register for FOLA158X or FOLA158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	W 6:30pm - 9:30pm	JMZ 1103	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Th 9:00am - 10:30am	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158X or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 10)	
	Th 6:30pm - 9:30pm	JMZ 1103	Lab
	Contact instructor or department for details.		

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN French Spring 2014

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world.

BL01	Jill McAlister MWF 10:00am - 10:50am Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 25) JMZ 3120 ONLINE
BL02	Cybele Arnaud MWF 11:00am - 11:50am Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 25) TYD 0102 ONLINE
BL03	Jill McAlister MWF 12:00pm - 12:50pm Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 25) JMZ 3120 ONLINE

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Nathan Dize MW 10:00am - 10:50am Tu 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) JMZ 0208 JMZ 1124 JMZ 0208
0401	Nathan Dize MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0120 JMZ 1124

BL01	Abby Broughton MWF 12:00pm - 12:50pm Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 25) JMZ 2123 ONLINE
BL02	Abby Broughton MWF 1:00pm - 1:50pm Class time/details on ELMs *Blended Learning courses combine face-to-face and online interactions.*	Seats (Total: 25) JMZ 2123 ONLINE

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French. Intensive study of French grammar and composition.

0101	Instructor: TBA Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) JMZ 0122 JMZ 2120
0201	Morgan McMahon MWF 10:00am - 10:50am	Seats (Total: 25) HBK 0105
0301	Morgan McMahon MWF 11:00am - 11:50am	Seats (Total: 25) HBK 0115

FREN211 **French Reading and Conversation**
Contact department for information to register for this course.

FREN241 **Women Writers of French Expression in Translation**
Contact department for information to register for this course.

FREN242 **Francophone Writers of Africa and the African Diaspora**

FREN242 Francophone Writers of Africa and the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An analysis of the works and ideas of 20th and 21st century Francophone writers (Africa, the Caribbeans, France). Taught in English.

0101	Phuong Hoang TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 0125

FREN250 **Introduction to Cultural and Textual Analysis**

FREN250 Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. Also offered as FREN250H.

0101	Hannah Wegmann, Abby Broughton MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2207
0201	Cybele Arnaud MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2207
0301	Kristen Gunderson TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 0123

FREN250H **Introduction to Cultural and Textual Analysis**

FREN250H Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. For general honors students only. Also offered as FREN250.

0101	Hannah Wegmann, Abby Broughton MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2207
0201	Cybele Arnaud MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2207
0301	Kristen Gunderson TuTh 12:30pm - 1:45pm	Seats (Total: 20) HBK 0123

FREN269C **Special Topics in Study Abroad II; La Chason Francaise: Then and Now**
Contact department for information to register for this course.

FREN269F **Special Topics in Study Abroad II; French Conversation I**
Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**
Contact department for information to register for this course.

FREN269L **Special Topics in Study Abroad II; LANGUAGE AND CINEMA**
Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**
Contact department for information to register for this course.

FREN269Z **Special Topics in Study Abroad II; Third-Year French II**
Contact department for information to register for this course.

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Grammatical analysis, elements of style; range of written genres.

0101	Karen Casebier MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2123
0201	Cecile Ruel MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1117

FREN303 **Translation: English to French**

FREN303 Translation: English to French; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Practicum in translation primarily from English to French; contrastive analysis.

0101	Herve Campangne TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1120

FREN306 **Commercial French I**
Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**

FREN311 Advanced Oral Expression; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

0101	Sarah Benharrech TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 3120

FREN312 **France Today**
Contact department for information to register for this course.

FREN351 **From Romanticism to the Age of Modernism and Beyond**
Contact department for information to register for this course.

FREN352 **From the Age of Epic and Romance to the Enlightenment**

FREN352 From the Age of Epic and Romance to the Enlightenment; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. Also offered as FREN352H.

0101	Elena Lozinsky TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1122
0201	Elena Lozinsky TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1120

FREN352H **From the Age of Epic and Romance to the Enlightenment**

FREN352H From the Age of Epic and Romance to the Enlightenment; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. For general honors students only. Also offered as FREN352.

0101	Elena Lozinsky TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1122
0201	Elena Lozinsky TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1120

FREN369F **Special Topics in Study Abroad III; Third-Year French I**
Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**
Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**

Contact department for information to register for this course.

FREN386 **Experiential Learning**

FREN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**

Contact department for information to register for this course.

FREN399B **Directed Study in French; Directed Study in Nice II**

Contact department for information to register for this course.

FREN399Q **Directed Study in French; Phonetics**

FREN399Q Directed Study in French: Phonetics; (2 credits) Grade Method: REG.

0101	Mary Scullen	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

FREN449Z **Studies in 18th Century French Literature and Culture; Animals and Literary Zoos in Old Regime France**

FREN449Z Studies in 18th Century French Literature and Culture: Animals and Literary Zoos in Old Regime France; (3 credits) Grade Method: REG/P-F/AUD. Taught in French. Prerequisite: FREN351 or FREN352.

0101	Sarah Benharrech	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3120

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN498K **Special Topics in French Literature; Knights, Ladies and Love in Medieval Times**

FREN498K Special Topics in French Literature: Knights, Ladies and Love in Medieval Times; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French. Prerequisite: FREN351 or FREN352.

0101	Karen Casebier	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 3203

FREN499P **Special Topics in French Studies; From Literature to Screen**

FREN499P Special Topics in French Studies: From Literature to Screen; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN351 or FREN352; or equivalent.

0101	Herve Campangne	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 3120

FREN499X **Special Topics in French Studies; Directed Study in FRENCH**
Contact department for information to register for this course.

FREN600 **Introduction to Literary Theory**

FREN600 Introduction to Literary Theory; (3 credits) Grade Method: REG/AUD.
Taught in French.

0101	Andrea Frisch Th 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3106A

FREN601 **The History of the French Language**

FREN601 The History of the French Language; (3 credits) Grade Method: REG/AUD.

0101	Mary Scullen Tu 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2207

FREN665 **The French Theatre in the Twentieth Century**

FREN665 The French Theatre in the Twentieth Century; (3 credits) Grade Method: REG/AUD.

0101	Caroline Eades W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3205

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Spring 2014

GEMS102 **Research Topic Exploration and Team Formation**

GEMS102 Research Topic Exploration and Team Formation; (1 credit) Grade Method: REG.
Restriction: Must be in the Gemstone program. Under the guidance of staff and visiting speakers, students will develop research topics that they will pursue for the remainder of their participation in the Gemstone program, and form into interdisciplinary teams around these topics.

0101	Kristan Skendall, James Trainor	Seats (Total: 180)
	Th 5:30pm - 6:30pm	JMZ 0220

GEMS104 **Topics in Science, Technology and Society (STS)**

GEMS104 Topics in Science, Technology and Society (STS); (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Prerequisite: GEMS100. Restriction: Must be in the Gemstone program. An examination of how cultural, economic, political and social forces shape scientific and technological systems and, conversely, how scientific and technological systems have affected the culture, economies, organization and politics of societies. Students in the course will form small teams to carry out semester-long research on socio/technical topics related to the course theme chosen for that specific semester.

0101	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 1:00pm - 2:15pm	Seats (Total: 13) SHM 2102 ELL 0100A	Discussion
0102	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 12:00pm - 1:15pm	Seats (Total: 13) SHM 2102 ELL 0100B	Discussion
0103	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 3:00pm - 4:15pm	Seats (Total: 13) SHM 2102 ELL 0100D	Discussion
0104	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 11:00am - 12:15pm	Seats (Total: 13) SHM 2102 ELL 0100A	Discussion
0105	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 9:30am - 10:45am	Seats (Total: 13) SHM 2102 ELL 0100D	Discussion
0106	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 2:00pm - 3:15pm	Seats (Total: 13) SHM 2102 ELL 0100D	Discussion
0107	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 10:00am - 11:15am	Seats (Total: 13) SHM 2102 ELL 0100A	Discussion
0108	Instructor: TBA Tu 5:00pm - 6:15pm F 4:00pm - 5:15pm	Seats (Total: 13) SHM 2102 ELL 0100B	Discussion
0109	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 12:00pm - 1:15pm	Seats (Total: 13) SHM 2102 ELL 0100D	Discussion
0110	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 11:00am - 12:15pm	Seats (Total: 13) SHM 2102 ELL 0100A	Discussion

0111	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm Th 11:00am - 12:15pm	Seats (Total: 13) SHM 2102 ELL 0100D	Discussion
0112	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 11:00am - 12:15pm	Seats (Total: 13) SHM 2102 ELL 0100C	Discussion
0113	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm F 2:00pm - 3:15pm	Seats (Total: 13) SHM 2102 ELL 0100A	Discussion
0114	Frank Coale, Leah Kreimer Tobin Tu 5:00pm - 6:15pm W 9:00am - 10:15am	Seats (Total: 13) SHM 2102 ELL 0100D	Discussion

GEMS208E **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen First Time Section Leader**

GEMS208E Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen First Time Section Leader; (1-3 credits)

Grade Method: REG/AUD.

0101	Kristan Skendall Contact instructor or department for details.	Seats (Total: 15)

GEMS208F **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen: Returner Section Leader**

GEMS208F Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen: Returner Section Leader; (1-3 credits)

Grade Method: REG/AUD.

Restricted to Gemstone Students.

0201	Kristan Skendall Contact instructor or department for details.	Seats (Total: 11)

GEMS208G **Special Topics in Leadership and Team Development; Science, Technology and Society Teaching Freshmen First Time Section Leader**

GEMS208G Special Topics in Leadership and Team Development: Science, Technology and Society Teaching Freshmen First Time Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin	Seats (Total: 18)
	Contact instructor or department for details.	

GEMS208I **Special Topics in Leadership and Team Development; Science, Technology & Society Teaching Freshman, Returnee Section Leader**

GEMS208I Special Topics in Leadership and Team Development: Science, Technology & Society Teaching Freshman, Returnee Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208J **Special Topics in Leadership and Team Development; Gems Camp**

GEMS208J Special Topics in Leadership and Team Development: Gems Camp; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin	Seats (Total: 14)
	Contact instructor or department for details.	

GEMS208K **Special Topics in Leadership and Team Development; GEMS Connect**

GEMS208K Special Topics in Leadership and Team Development: GEMS Connect; (1-3 credits) Grade Method: REG/AUD.

0101	Leah Kreimer Tobin	Seats (Total: 16)
	Contact instructor or department for details.	

GEMS208T **Special Topics in Leadership and Team Development; Thesis Conference Planning Team**

GEMS208T Special Topics in Leadership and Team Development: Thesis Conference Planning Team; (1 credit) Grade Method: REG/AUD.

0101	Kristan Skendall, Leah Kreimer Tobin	Seats (Total: 6)
	Contact instructor or department for details.	

GEMS297 **Team Project Seminar II**

GEMS297 Team Project Seminar II; (2 credits) Grade Method: REG.
Restriction: Must be in the Gemstone program with sophomore standing in a research team. This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and beegins its research project. Restricted to Gemstone Students.

0101	Thomas Castonguay W 5:00pm - 5:50pm Tu 5:00pm - 5:50pm	Seats (Total: 14) Location: TBA ELL 0100B
0102	Zhengguo Xiao Th 7:30pm - 8:30pm	Seats (Total: 14) JMZ 3203
0103	Brian Bequette W 5:00pm - 5:50pm M 5:00pm - 5:50pm	Seats (Total: 14) Location: TBA ELL 0100A
0104	Robert Newcomb M 5:00pm - 5:50pm Th 8:00pm - 8:50pm	Seats (Total: 14) Location: TBA ELL 0100A
0105	Jonathan Dinman Tu 8:00am - 8:50am W 6:00pm - 6:50pm	Seats (Total: 14) Location: TBA Location: TBA
0106	Silvia Muro F 4:30pm - 5:30pm M 8:00pm - 9:00pm	Seats (Total: 14) PLS 5112 Location: TBA
0201	Marcio Oliveira F 3:30pm - 4:30pm W 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA ELL 0100D
0202	Richard Yi M 7:00pm - 7:50pm W 4:00pm - 4:50pm	Seats (Total: 14) ELL 0100D Location: TBA

0203	Ramani Duraiswami Th 5:00pm - 5:50pm Tu 5:15pm - 6:15pm	Seats (Total: 14) Location: TBA ELL 0100A
0204	Steven Anlage F 4:00pm - 4:50pm Tu 7:00pm - 8:00pm	Seats (Total: 14) PHY 1201 PHY 1402
0205	Thomas Miller Th 6:30pm - 7:30pm M 8:00am - 8:50am	Seats (Total: 14) Location: TBA JMZ 1120
0206	Aravind Srinivasan Th 11:00am - 11:50am Tu 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA Location: TBA
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 5)

GEMS397 **Team Project Seminar IV**

GEMS397 Team Project Seminar IV; (2 credits) Grade Method: REG. *Prerequisite: GEMS396. Restriction: Must be in the Gemstone program with junior standing in a research team.* This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day. Restricted to Gemstone Students.

0101	Adam Behrens Tu 5:30pm - 6:30pm W 5:00pm - 5:50pm	Seats (Total: 14) CHE 1302 JMZ 1117
0102	John Fisher M 5:00pm - 5:50pm Th 8:00am - 8:50am	Seats (Total: 14) KIM 1200 KIM 1200
0103	Lance Yonkos Tu 6:00pm - 8:00pm	Seats (Total: 14) Location: TBA

0104	Ramalingam Chellappa Tu 5:00pm - 5:50pm Th 6:10pm - 7:00pm	Seats (Total: 14) AVW 4424 BPS 1234
0105	Erica Glasper Andrews M 8:00am - 8:50am W 9:00pm - 9:50pm	Seats (Total: 14) BPS 1228 SQH 1123
0106	Bill Fagan Contact instructor or department for details.	Seats (Total: 14)
0201	Jeremy Munday W 6:00pm - 8:00pm	Seats (Total: 14) JMZ 2120
0202	Ben Woodard M 5:30pm - 6:30pm Th 7:00pm - 7:50pm	Seats (Total: 14) Location: TBA Location: TBA
0203	Andrew Ristvey Tu 7:45pm - 8:45pm F 11:00am - 11:50am	Seats (Total: 14) Location: TBA ELL 0100B
0204	John Aloimonos M 7:00pm - 7:50pm Tu 5:00pm - 5:50pm	Seats (Total: 14) JMZ 2117 AVW 4185
0205	Bryan Quinn M 2:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 14) AVW 1318 JMZ 1103
0209	Kristan Skendall Contact instructor or department for details.	Seats (Total: 10)

GEMS497 **Team Thesis Defense**

GEMS497 Team Thesis Defense; (2 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: GEMS396. Restriction: Must be in the Gemstone program. Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission. Restricted to Gemstone Students.

0101	Volker Briken M 4:00pm - 4:50pm M 5:00pm - 5:50pm	Seats (Total: 14) Location: TBA Location: TBA
0102	Steven Hutcheson M 12:00pm - 12:50pm W 6:00pm - 6:50pm	Seats (Total: 14) Location: TBA Location: TBA
0103	Miao Yu Th 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0104	Richard Yi W 6:30pm - 7:30pm W 7:30pm - 8:30pm	Seats (Total: 14) Location: TBA Location: TBA
0105	John Fisher Tu 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 14) KEB 1200 HBK 0123
0106	Pamela Abshire M 12:30pm - 1:40pm Th 3:30pm - 4:30pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Matthew Roesch M 7:30pm - 8:20pm W 2:00pm - 2:50pm	Seats (Total: 14) BPS 1234 BPS 1124
0202	Andrew Lazur Tu 6:00pm - 6:50pm W 5:00pm - 5:45pm	Seats (Total: 14) PLS 1164 PLS 1164
0203	Aravind Srinivasan W 5:00pm - 5:50pm F 12:00pm - 12:50pm	Seats (Total: 14) PLS 1184 AVW 3263
0204	Peter Mallios Th 8:30am - 9:30am Tu 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA Location: TBA

0205	Amr Baz M 8:00pm - 8:50pm F 10:00am - 10:50am	Seats (Total: 14) EGR 3114 EGR 3114	
0208	Kristan Skendall Contact instructor or department for details.	Seats (Total: 3)	

GEOG Geographical Sciences Spring 2014

GEOG130 Developing Countries

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1201	 Discussion
0102	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 EDU 3236	 Discussion
0103	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0104	Ronald Luna MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0105	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 LEF 2208	 Discussion

0106	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 KEY 0119	Discussion
0107	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 TLF 1103	Discussion
0108	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 EDU 2101	Discussion
0109	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 EDU 2101	Discussion
0110	Ronald Luna MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1220	Discussion

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

GEOG140 Natural Disasters: Earthquakes, Floods, and Fires; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Catastrophic Environmental Events (CCE) that are becoming more common in this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 EDU 1315	Discussion

0102	Keith Yearwood MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 TYD 0111	Discussion
0103	Keith Yearwood MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 EDU 1315	Discussion
0104	Keith Yearwood MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0105	Keith Yearwood MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) LEF 2205 SYM 0209	Discussion

GEOG201 **Geography of Environmental Systems**

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOG211).
A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	Keith Yearwood TuTh 9:30am - 10:45am	Seats (Total: 240) LEF 2205	

GEOG202 **Introduction to Human Geography**

GEOG202 Introduction to Human Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency.
Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

0101	Martha Geores MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion

0102	Martha Geores MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMP 1109	Discussion
0103	Martha Geores MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0104	Martha Geores MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0105	Martha Geores MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0106	Martha Geores MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 CHM 0128	Discussion
0107	Martha Geores MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 SQH 2120	Discussion
0108	Martha Geores MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 SKN 1112	Discussion
0109	Martha Geores MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 EDU 1315	Discussion
0110	Martha Geores MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 EDU 1315	Discussion

GEOG211 Geography of Environmental Systems Laboratory

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. Students must pay a $40.00 laboratory materials fee.

0101	Ahmad Khan M 9:00am - 11:00am	Seats (Total: 24) LEF 1136	 Lab
0201	Ahmad Khan M 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	 Lab
0301	Ahmad Khan Tu 9:00am - 11:00am	Seats (Total: 24) LEF 1136	 Lab
0401	Ahmad Khan Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	 Lab
0501	Ahmad Khan W 9:00am - 11:00am	Seats (Total: 24) LEF 1136	 Lab
0601	Ahmad Khan W 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	 Lab
0701	Ahmad Khan Th 9:00am - 11:00am	Seats (Total: 24) LEF 1136	 Lab
0801	Ahmad Khan Th 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	 Lab
0901	Ahmad Khan F 9:00am - 11:00am	Seats (Total: 24) LEF 1136	 Lab
1001	Ahmad Khan F 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	 Lab

GEOG212 Introduction to Human Geography Laboratory

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in GEOG202. Restriction: Must be in Geography program. Introduction to the basic methods and techniques employed in human geography.

0101	Crystal Sehlke	Seats (Total: 30)	
	M 9:00am - 11:00am	TYD 2110	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40.00 lab fee.

0101	Ralph Dubayah	Seats (Total: 25)	
	Tu 9:30am - 11:30am F 1:00pm - 3:00pm	LEF 1124 LEF 1138	Lab
0102	Ralph Dubayah	Seats (Total: 25)	
	Tu 9:30am - 11:30am F 3:00pm - 5:00pm	LEF 1124 LEF 1138	Lab

GEOG312 **The United States and Canada**

GEOG312 The United States and Canada; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG312 or GEOG320. Formerly: GEOG320. The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Allen Eney MWF 1:00pm - 1:50pm	Seats (Total: 60) LEF 2166

GEOG331 **Introduction to Human Dimensions of Global Change**

GEOG331 Introduction to Human Dimensions of Global Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH220, ANTH260, GEOG202, or GEOG201; or permission of BSOS-Geography department. Credit only granted for: GEOG331 or GEOG361. Formerly: GEOG361. Introduction to global-scale interrelationship between human beings and the environment. The development of global issues including but not limited to the environment, food, energy, technology, population, and policy.

0101	Klaus Hubacek M 11:00am - 1:30pm	Seats (Total: 50) LEF 1124

GEOG342 **Introduction to Biogeography**

GEOG342 Introduction to Biogeography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201. Recommended: GEOG211. Credit only granted for: GEOG342 or GEOG347. Formerly: GEOG347. The principles of biogeography, including the patterns, processes and distributions of living organisms from local to global scales, aspects of ecophysiology, population and community ecology and evolutionary biology. Spatial processes in the biosphere will be covered.

0101	Krishna Vadrevu TuTh 9:30am - 10:45am	Seats (Total: 50) LEF 2166

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. Students must pay a $40.00 lab fee.

0101	Belen Franch MW 9:00am - 10:15am Th 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Belen Franch MW 9:00am - 10:15am Th 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. There is a $40.00 lab fee for this course.

0101	Naijun Zhou W 9:00am - 11:00am W 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Naijun Zhou W 9:00am - 11:00am Th 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0103	Naijun Zhou W 9:00am - 11:00am Th 3:00pm - 5:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG376 **Introduction to Computer Programming for GIS**

GEOG376 Introduction to Computer Programming for GIS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. And GEOG373; or permission of BSOS-Geography department. Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS). Students must pay a $40.00 laboratory materials fee.

0101	Tatiana Loboda TuTh 2:00pm - 2:50pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Tatiana Loboda TuTh 2:00pm - 2:50pm F 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney Contact instructor or department for details.	Seats (Total: 10)

GEOG384H **Internship in Geography I**

GEOG384H Internship in Geography I; (3 credits) Grade Method: REG/P-F. *Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.* Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385H **Internship in Geography II**

GEOG385H Internship in Geography II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.* Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 Honors Research; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Permission of BSOS-Geography department; and senior standing or higher; and must be in Geography program. Formerly: GEOG397.* First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 Honors Thesis; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG396. Restriction: Must be in Geography program; and senior standing or higher. Formerly: GEOG399.* Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Rachel Berndtson	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG413 **Migration: Latin America and the United States**

GEOG413 Migration: Latin America and the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG313; or permission of BSOS-Geography department. Recommended: HIST250; or USLT201; or LASC234. Credit only granted for: GEOG413, or GEOG498M. Formerly: GEOG498M. Develops an understanding of the push and pull factors that have contributed to human mobility (migration) that has transformed the Americas. The class is divided in two parts: immigration and emigration from Latin American and Latin America migration to the United States. We will be interested in studying the migration shifts that have occurred in Latin America and the theories that help explain them. The themes that will be addressed are the history of migration with Latin America and to North America, the impact of this migration on both sending and receiving countries, and the various policy strategies and issues concerning migration.

0101	Ronald Luna	Seats (Total: 25)
	MW 12:00pm - 1:15pm	LEF 1220

GEOG415 **Land Use, Climate Change, and Sustainability**

GEOG415 Land Use, Climate Change, and Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG123 or GEOG306; or permission of BSOS-Geography department. Recommended: GEOG340; or GEOG342; or GEOG331. Or GEOG201; and GEOG211. Credit only granted for: GEOG415 or GEOG498D. Formerly: GEOG498D. The issues of climate change and land use change as two interlinked global and regional environmental issues and their implications for society and resource use are explored.

0101	Evan Ellicott	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	LEF 1124

GEOG416 **Conceptualizing and Modeling Human-Environmental Interactions**

GEOG416 Conceptualizing and Modeling Human-Environmental Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306, STAT100, or MATH111; or permission of BSOS-Geography department. Corequisite: MATH130, MATH140, or MATH220. Credit only granted for: GEOG416 or GEOG498N. Formerly: GEOG498N. Develops skills to carry out research that integrates environmental and economic aspects of sustainability by introducing extensively used quantitative tools for analyzing human-environmental interactions in the field of ecological economics. These include, e.g., index number calculations and decomposition analysis, Environmental Kuznets Curve (EKC), environmental input-output analysis and life-cycle analysis, and multi-criteria decisions aid (MCDA). Students will need laptops to run models during class.

0101	Instructor: TBA W 1:00pm - 3:30pm	Seats (Total: 50) LEF 1124

GEOG435 **Population Geography**

GEOG435 Population Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG422 or GEOG435. Formerly: GEOG422. The spatial characteristics of population distribution and growth, migration, fertility and mortality from a global perspective. Basic population-environmental relationships; carrying capacity, density, relationships to national development.

0101	Mila Zlatic MW 2:00pm - 3:15pm	Seats (Total: 50) LEF 2166

GEOG441 **The Coastal Ocean**

GEOG441 The Coastal Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG140; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Geography department. Credit only granted for: GEOG441 or GEOG498C. Formerly: GEOG498C. Introduction to coastal oceanography, focusing on the physical, biological, and geological aspects of ocean areqs on the inner continental shelves. Wave, currents, and tidal dynamics of bays, open coast, estuaries, and deltas. Sedimentary environments of major coastal types. Ecology and biogeochemical relationships, including benthic and planktonic characteristics. Coastal evolution with sea level rise. Human impacts: eutrophication, modification of sedimentation. The coastal future: rising sea level, hypoxia, and increased storminess.

0101	Keith Yearwood TuTh 2:00pm - 3:15pm	Seats (Total: 25) LEF 1222	

GEOG473 **Geographic Information Systems and Spatial Analysis**

GEOG473 Geographic Information Systems and Spatial Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306 and GEOG373; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482. Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies. Students must pay a $40.00 lab fee.

0101	Naijun Zhou W 11:00am - 1:00pm Tu 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Naijun Zhou W 11:00am - 1:00pm Tu 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG476 **Object-Oriented Computer Programming for GIS**

GEOG476 Object-Oriented Computer Programming for GIS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG373 and GEOG376; or permission of BSOS-Geography department. And must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. Restriction: Must be in Geography program; or must be in GIS minor. Credit only granted for: GEOG498G or GEOG476. Formerly: GEOG498G. Expands on conceptual and practical aspects of programming for geographic applications. The main focus of this course is to provide students more advanced programming in object oriented programming languages (i.e. Python). In addition, students will develop a proficiency in applying these advanced programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

0101	Giovanni Baiocchi	Seats (Total: 25)	
	MW 12:00pm - 12:50pm	LEF 2166	
	Th 2:00pm - 4:00pm	LEF 1136	Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG498G **Topical Investigations; They did What to the Environment? What were they thinking?**

GEOG498G Topical Investigations: They did What to the Environment? What were they thinking?; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Martha Geores	Seats (Total: 30)
	MW 4:00pm - 5:15pm	LEF 1201

GEOG498P **Topical Investigations; Global Criminal Economy**

GEOG498P Topical Investigations: Global Criminal Economy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Silva	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	LEF 1201

GEOG498R **Topical Investigations; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

GEOG498R Topical Investigations: Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Hansen	Seats (Total: 25)	
	M 2:00pm - 4:00pm	LEF 1124	
	W 3:00pm - 5:00pm	LEF 1138	Lab

GEOG603 **Masters Research Tutorial**
Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

GEOG606 Quantitative Spatial Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOG305; or permission of BSOS-Geography department. Credit only granted for: GEOG605 or GEOG606. Formerly: GEOG605.* Multivariate statistical method applications to spatial problems. Linear and non-linear correlation and regression, factor analysis, cluster analysis. Spatial statistics including: trend surfaces, sequences, point distributions. Applications orientation. Students must pay a $40.00 lab fee.

0101	Chengquan Huang	Seats (Total: 20)
	M 2:00pm - 4:30pm	LEF 1171

GEOG614 **Human Dimensions of Global Change**

GEOG614 Human Dimensions of Global Change; (3 credits) Grade Method: REG/AUD.

The intersection of human and biophysical systems from the vantage point of the impact of human actions on the environment are examined. The impact of the biophysical environment on humans is also discussed.

0101	Klaus Hubacek	Seats (Total: 20)
	W 1:30pm - 4:00pm	LEF 1171

GEOG653 **Spatial Analysis**

Contact department for information to register for this course.

GEOG655 **Spatial Database System**

Contact department for information to register for this course.

GEOG657 **Web Programming**

Contact department for information to register for this course.

GEOG673 **GIS Modeling**

GEOG673 GIS Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG306 and GEOG473; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG673 or GEOG695. Formerly: GEOG695. Process modeling and spatial analysis within the GIS context. Introducestheoretical fundamentals and conceptual approaches to frame and represent geographical phenomena and spatial decision making.

0101	In-Young Yeo	Seats (Total: 15)
	W 4:00pm - 6:30pm	LEF 1171

GEOG674 **GIS Spatial Databases**

GEOG674 GIS Spatial Databases; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG473; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG674 or GEOG696. Formerly: GEOG696. Introduces fundamental concepts and practical skills required to design, implement and use GIS databases. Students will learn to store and represent geospatial data in databases, design and create a spatial database, manage and query geospatial data, and deliver and present geospatial data.

0101	Naijun Zhou	Seats (Total: 15)
	W 4:00pm - 6:30pm	LEF 1124

GEOG676 **Advanced Programming for Geography and Remote Sensing**

GEOG676 Advanced Programming for Geography and Remote Sensing; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG376; or permission of BSOS-Geography department.
Comprehensive instruction is provided in the advanced use of a commercial programming language and analysis tool used for scientific programming and data visualization, with an emphasis on applications in geography and remote sensing or GIS.

0101	Louis Giglio	Seats (Total: 15)
	Th 5:00pm - 7:30pm	LEF 1171

GEOG748C **Seminar in Physical Geography; Climate, Energy and Policy**

GEOG748C Seminar in Physical Geography: Climate, Energy and Policy; (3 credits) Grade Method: REG/AUD.

0101	Giovanni Baiocchi	Seats (Total: 15)
	M 5:00pm - 7:30pm	LEF 1124

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788F **Selected Topics in Geography; Successful Strategies of Field Work**

GEOG788F Selected Topics in Geography: Successful Strategies of Field Work; (3 credits) Grade Method: REG/AUD/S-F.

0101	Martha Geores	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG788M **Selected Topics in Geography; Migration: Latin America and the United States**

GEOG788M Selected Topics in Geography: Migration: Latin America and the United States; (3 credits) Grade Method: REG/AUD/S-F.

0101	Ronald Luna	Seats (Total: 25)
	MW 12:00pm - 1:15pm	LEF 1220

GEOG788R **Selected Topics in Geography; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

GEOG788R Selected Topics in Geography: Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets; (3 credits) Grade Method: REG/AUD/S-F.

0101	Matthew Hansen	Seats (Total: 25)	
	M 2:00pm - 4:00pm	LEF 1124	
	W 3:00pm - 5:00pm	LEF 1138	Lab

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG797 **Professional Project**
Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Seminar Series**

GEOG798 Selected Topics in Geography: Seminar Series: Seminar Series; (1 credit) Grade Method: REG/AUD.

0101	Ralph Dubayah	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Spring 2014

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOL110).
Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 95) KEB 1110
0201	Aaron Martin TuTh 2:00pm - 3:15pm	Seats (Total: 95) BPS 1243

GEOL102 **Historical Geology**

GEOL102 Historical Geology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL120 or GEOL100; and GEOL110. Or permission of CMNS-Geology department. Earth's history as revealed through the principles of stratigraphy and the processes of physical geology. Emphasis on formations and geologic development of the North American continent.

0101	Thomas Holtz MWF 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 24) PLS 1113 GEO 2107	Lab

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *Prerequisite: Must have completed or be concurrently enrolled in GEOL120 or GEOL100. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 lab materials fee.

0101	Instructor: TBA M 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	Lab
0110	Rose Smith, Aaron Martin Tu 12:30pm - 3:30pm	Seats (Total: 20) GEO 2106	Lab
0201	Aaron Martin, Erin Cunningham M 12:00pm - 3:00pm	Seats (Total: 20) GEO 2106	Lab
0301	Carolyn Plank, Aaron Martin Tu 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	Lab
0401	Erin Cunningham, Aaron Martin Tu 4:00pm - 7:00pm	Seats (Total: 20) GEO 2106	Lab
0501	Kalev Hantsoo, Aaron Martin Th 9:00am - 12:00pm	Seats (Total: 20) GEO 2106	Lab
0601	Instructor: TBA Th 4:00pm - 7:00pm	Seats (Total: 20) GEO 2106	Lab
0901	William Junkin, Aaron Martin W 3:00pm - 6:00pm	Seats (Total: 20) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: GEOL100 or GEOL120.* A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0201	Sujay Kaushal TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1180	 Discussion
0202	Sujay Kaushal TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1180	 Discussion
0203	Sujay Kaushal TuTh 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 20) CHM 1402 PLS 1180	 Discussion
BL01	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMP 3201 CSS 3330	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL02	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMP 3201 CSS 3330	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL03	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMP 3201 CSS 3330	 Discussion
	Blended Learning courses combine face-to-face and online interactions.		

GEOL123 Causes and Consequences of Global Change

GEOL123 Causes and Consequences of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Also offered as: AOSC123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123. Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

0101	Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 CSS 2416	 Discussion
0102	Rachel Pinker MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 CSS 2416	 Discussion
0103	Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 CSS 2428	 Discussion
0104	Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 PLS 1172	 Discussion
0105	Rachel Pinker MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 PLS 1172	 Discussion
0106	Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 PLS 1172	 Discussion

GEOL204 **Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past**

GEOL204 Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Examination of evidence used to reconstruct critical events in the history of life by looking at case studies of significant evolutionary origins, transitions, and extinctions; addressing the role of paleontology in human society, including science education, conservation, and the media.

0101	Thomas Holtz TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1158	Discussion
0102	Thomas Holtz TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1158	Discussion
0103	Thomas Holtz TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1158	Discussion
0104	Thomas Holtz TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 20) CHE 2110 PLS 1168	Discussion
0105	Thomas Holtz TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 20) CHE 2110 PLS 1168	Discussion
0106	Thomas Holtz TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 20) CHE 2110 PLS 1168	Discussion

GEOL288A **Field Studies I; Natural History of Arizona**
Contact department for information to register for this course.

GEOL322 **Mineralogy**

GEOL322 Mineralogy; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL120 or GEOL100; and GEOL110. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Permission of instructor is required for non-degree seeking students. Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

0101	Sarah Penniston-Dorland TuTh 11:00am - 12:15pm M 2:00pm - 5:00pm	Seats (Total: 22) PLS 1146 GEO 2107	 Lab

GEOL340 **Geomorphology**

GEOL340 Geomorphology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL120 or GEOL100. Restriction: Permission of instructor is required of non-degree seeking students. Analysis of landforms, organized on the basis of the geologic processes that have operated during the late Cenozoic. Constructional and erosional landforms related to physical systems operating on geologic structures through time.

0101	Karen Prestegaard TuTh 9:30am - 10:45am W 10:00am - 1:00pm	Seats (Total: 24) PLS 1117 GEO 2107	 Lab
0102	Karen Prestegaard TuTh 9:30am - 10:45am Th 1:00pm - 4:00pm	Seats (Total: 9) PLS 1117 GEO 2107	 Lab

GEOL342 **Sedimentation and Stratigraphy**

GEOL342 Sedimentation and Stratigraphy; (4 credits) Grade Method: REG/P-F.
Prerequisite: GEOL120 or GEOL100; and GEOL110; and GEOL322. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Permission of instructor is required of non-degree-seeking students. Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.

0102	Alan Kaufman TuTh 11:00am - 12:15pm Tu 12:30pm - 3:30pm	Seats (Total: 15) PLS 1113 GEO 2107	 Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of CMNS-Geology department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

GEOL393 **Geology Senior Thesis I: Proposal**

GEOL393 Geology Senior Thesis I: Proposal; (3 credits) Grade Method: REG.
Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela	Seats (Total: 10)
	Tu 4:30pm - 6:30pm	PLS 1158
	Contact instructor or department for details.	

GEOL393H **Geology Senior Thesis I: Proposal**

GEOL393H Geology Senior Thesis I: Proposal; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela	Seats (Total: 10)
	Tu 4:30pm - 6:30pm	PLS 1158
	Contact instructor or department for details.	

GEOL394 **Geology Senior Thesis II: Research**

GEOL394 Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

Contact department for information to register for this course.

GEOL394H **Geology Senior Thesis II: Research**

GEOL394H Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards. For Geology department honors students only.

Contact department for information to register for this course.

GEOL437 **Global Climate Change: Past and Present**

GEOL437 Global Climate Change: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115 or MATH140; and (GEOL100 or GEOL120); and (CHEM131 or CHEM135); and (CHEM132 or CHEM136). Introduction to the processes by which climate varies, the paleoclimate record, and projections of climate change into the 21st century, including discussion of climate sensitivity to external radiative forcing.

0101	Michael Evans	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PLS 1162	

GEOL443 **Petrology**

GEOL443 Petrology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. And must have completed or be concurrently enrolled in GEOL423; and (GEOL100 or GEOL120); and GEOL110. Corequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Study of igneous and metamorphic rocks: petrogenesis, distributions, chemical and mineralogical relations, macroscopic and microscopic descriptions, geologic significance.

0101	Richard Walker, Sarah Penniston-Dorland	Seats (Total: 18)	
	TuTh 8:00am - 9:15am	PLS 1113	
	Th 1:00pm - 4:00pm	GEO 2117	Lab

GEOL451 **Groundwater**

GEOL451 Groundwater; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL110 and MATH140; and (GEOL120 or GEOL100); and (CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher. An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

0101	Wenlu Zhu	Seats (Total: 42)	
	MWF 9:00am - 9:50am	PLS 1115	

GEOL457 **Seismology**

GEOL457 Seismology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL120 or GEOL100; and (MATH141, GEOL110, and MATH140). Or permission of CMNS-Geology department. Recommended: PHYS171, PHYS141, or PHYS161. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL457 or GEOL489A. Formerly: GEOL489A. General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Applications to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

0101	Vedran Lekic	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1115

GEOL463 **Economic Geology**

GEOL463 Economic Geology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL322; and (CHEM131 or CHEM135); and (CHEM132 or CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL489Q or GEOL463. Formerly: GEOL489Q. The geological setting, and mineralogy of ore bodies, as well as the chemical and physical factors affecting the source, transport and deposition of metallic ores, petroleum and natural gas will be covered. The economics of mineral resources will be discussed.

0101	Philip Candela	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1164

GEOL472 **Tectonics**

GEOL472 Tectonics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL120 or GEOL100; and (GEOL102, GEOL341, and GEOL110). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Study of the development of the lithosphere on Earth and other rocky planets and moons. Emphasis on student-led discussions. Improvement of scientific writing.

0101	Aaron Martin	Seats (Total: 10)
	W 9:00am - 12:00pm	PLS 1172

GEOL489F **Special Topics; Stable Isotope Geochemistry: Fundamentals and Applications**

GEOL489F Special Topics: Stable Isotope Geochemistry: Fundamentals and Applications; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Farquhar TuTh 9:30am - 10:45am	Seats (Total: 10) PLS 1115	

GEOL497 **Recent Advances: Geology**

GEOL497 Recent Advances: Geology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed at least 2 upper-level GEOL courses. Corequisite: GEOL393; and a third upper-level geology course. Restriction: Must be in Geology program; and GPA of 3.0 or better in both overall and in all courses required for the major; and senior standing; and to be taken as late as possible in the program. Credit only granted for: GEOL497 or GEOL489H. Formerly: GEOL489H.* A survey of important recent advances in geological sciences in the context of the methods and practices of scientific research.

0101	Michael Brown W 8:00am - 8:50am F 3:00pm - 4:00pm M 4:00pm - 6:00pm	Seats (Total: 10) PLS 1164 Location: TBA PLS 1164	 Discussion

GEOL497H **Recent Advances: Geology**

GEOL497H Recent Advances: Geology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed at least 2 upper-level GEOL courses. Corequisite: GEOL393; and a third upper-level geology course. Restriction: Must be in Geology program; and GPA of 3.0 or better in both overall and in all courses required for the major; and senior standing; and to be taken as late as possible in the program. Credit only granted for: GEOL497 or GEOL489H. Formerly: GEOL489H.* A survey of important recent advances in geological sciences in the context of the methods and practices of scientific research.

0101	Michael Brown W 8:00am - 8:50am F 3:00pm - 4:00pm M 4:00pm - 6:00pm	Seats (Total: 10) PLS 1164 Location: TBA PLS 1164	 Discussion

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL653 **Advanced Problems in Economic Geology**

GEOL653 Advanced Problems in Economic Geology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL453. Restriction: Non-degree-seeking students require the permission of the instructor. A systematic study of particular ore deposit types or areas of mineralization, primarily involving major economically important metals. Geologic setting, mineralogy and form and character of the ore bodies, chemical and physical factors affecting source, transport and deposition of ore forming fluids.

0101	Philip Candela	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1164

GEOL654 **Fluvial Geomorphology Seminar**

GEOL654 Fluvial Geomorphology Seminar; (3 credits) Grade Method: REG/AUD.
Recommended: GEOL452 and GEOL340. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL654 or GEOL789B. Formerly: GEOL789B. Fluvial geomorphology is the study of the movement of water and sedimentin stream channels. This includes: formation of channels, open channel hydraulics, sediment transport or bedload and suspended load, river morphology and landscape evolution. The course is designed for graduate students and advanced undergraduates.

0101	Karen Prestegaard	Seats (Total: 12)
	W 4:00pm - 6:30pm	PLS 1172

GEOL657 **Seismic Wave Propagation**

GEOL657 Seismic Wave Propagation; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH140 and MATH141; and (PHYS141, PHYS161, or PHYS171); and permission of CMNS-Geology department. Recommended: GEOL100 or GEOL120; and (MATH241 and MATH246); and (PHYS260 or PHYS273). Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL657 or GEOL789A. Formerly: GEOL789A.* A description of the physics of seismic wave propagation and their applications to the determination of the structure of the Earth and the mechanics of earthquakes.

0101	Vedran Lekic	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1115

GEOL672 **Tectonics**

GEOL672 Tectonics; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOL341; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL672 or GEOL789C. Formerly: GEOL789C.* The study of the development of the lithosphere on Earth and other rocky planets and moons. Emphasis on the student led discussion and improvement of scientific writing.

0101	Aaron Martin	Seats (Total: 10)
	W 9:00am - 12:00pm	PLS 1172

GEOL680 **The Fluid Earth**

GEOL680 The Fluid Earth; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of CMNS-Geology department; or (MATH241, MATH462, and GEOL446). Recommended: Familiarity with MATLAB or MATHEMATICA. Credit only granted for: GEOL680 or GEOL789J. Formerly: GEOL789J.* The mechanics and dynamics of the Earth's interior and their applications to problems of Geophysics. This course considers several rheological descriptions of Earth materials (brittle, elastic, linear and nonlinear fluids, and viscoelastic) and emphasizes analytical solutions to simplified problem.

0101	Saswata Hier-Majumder	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1164

GEOL789C **Recent Advances in Geology; Advanced Data Analysis Workshop**

GEOL789C Recent Advances in Geology: Advanced Data Analysis Workshop; (3 credits) Grade Method: REG/AUD.
Prerequisite: A research dataset (observations or simulations) to be studied over the course of the semester, and permission of the instructor. Each student will present an introduction to their research area and a statement of a specific data analysis question; then work with the instructor over the semester to develop, interpret and present results.

0101	Michael Evans	Seats (Total: 10)
	Tu 2:00pm - 4:45pm	BPS 1228

GEOL789F **Recent Advances in Geology; Stable Isotope Geochemistry: Fundamentals and Applications**

GEOL789F Recent Advances in Geology: Stable Isotope Geochemistry: Fundamentals and Applications; (3 credits) Grade Method: REG/AUD.

0101	James Farquhar	Seats (Total: 10)
	TuTh 9:30am - 10:45am	PLS 1115

GEOL789T **Recent Advances in Geology; The Precambrian: A Geological Record of Secular Change**

GEOL789T Recent Advances in Geology: The Precambrian: A Geological Record of Secular Change; (3 credits) Grade Method: REG/AUD.
Prerequisite: BS in Geology or a related discipline or permission of the instructor. Non-degree-seeking students require the permission of the instructor. The geological evidence for secular change, the supercontinent cycle and coupling of Earth's geochemical reservoirs; tectonic models for the Precambrian.

0101	Michael Brown	Seats (Total: 10)
	M 9:00am - 11:50am	PLS 1164

GEOL789X **Recent Advances in Geology; Evolution of the Earth**

GEOL789X Recent Advances in Geology: Evolution of the Earth; (3 credits)
Grade Method: REG/AUD.
Prerequisites: BS in Geology, Physics, Astronomy or Chemistry, or permission of the instructor. Non-degree-seeking students require the permission of the instructor. This cross-disciplinary course is designed to review and discuss the current state of ideas and models for the initial development, growth, and differentiation of the Earth and its subsequent evolution. Constraints from physics and chemistry of the Earth and planets will guide us.

0101	William McDonough	Seats (Total: 10)
	W 3:00pm - 5:50pm	PLS 1158

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Spring 2014

GERM103 **Intensive Elementary German**

GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Petra Volkhausen MWF 10:00am - 10:50am Class time/details on ELMs	Seats (Total: 25) JMZ 0205 ONLINE
0201	Brian Oxendine MWF 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 3120 ONLINE

GERM148Y **Germanic Languages - Elementary I; Yiddish I**

GERM148Y Germanic Languages - Elementary I: Yiddish I; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST281. Introduction to the Yiddish language, with emphasis on speaking, reading, and writing skills. Students will also learn the history of the language, its significance to Jewish culture, its origins and basic structure.

0101	Adi Mahalel TuTh 12:30pm - 1:45pm	Seats (Total: 20) TYD 1132
0201	Adi Mahalel Class time/details on ELMs	Seats (Total: 20) ONLINE

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Anja Ketterl MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 1122 JMZ 1120
0201	Anja Ketterl MWF 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 25) JMZ 2122 ONLINE

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GERM203; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of German. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Claudia Biester MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1224

GERM285 **German Film and Literature**

GERM285 German Film and Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
A visual approach to German literature through a study of the historical, cultural, and literary significance of German films. Representative examples from the golden age of German silent films to the new German cinema. Taught in English.

0101	Hester Baer TuTh 2:00pm - 3:15pm Th 3:30pm - 5:00pm	Seats (Total: 30) HBK 0302J HBK 0302J

GERM299K **Special Topics in Germanic Studies; The "Warrior" in German Culture from Valiant Knights to Brazen Terrorists**

GERM299K Special Topics in Germanic Studies: The "Warrior" in German Culture from Valiant Knights to Brazen Terrorists; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
An examination of the concept of "the warrior" in German culture from the Middle Ages to today. Taught in English.

0101	Julie Koser	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	JMZ 3205

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Claudia Biester	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	JMZ 1215

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Julie Koser	Seats (Total: 20)
	MWF 11:00am - 11:50am	TWS 0214

GERM319G **Selected Topics in Germanic Language Studies; Seminar in German Language**
Contact department for information to register for this course.

GERM320 **Survey of German Studies**

GERM320 Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department. Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3205

GERM320H **Survey of German Studies**

GERM320H Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.* Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

0101	Peter Beicken	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3205

GERM369A **Special Topics in Study Abroad III; Advanced German I**
Contact department for information to register for this course.

GERM369B **Special Topics in Study Abroad III; Advanced German II**
Contact department for information to register for this course.

GERM369C **Special Topics in Study Abroad III; German Composition I**
Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**
Contact department for information to register for this course.

GERM369L **Special Topics in Study Abroad III; Contemporary German Literature**
Contact department for information to register for this course.

GERM369P **Special Topics in Study Abroad III; Pop Culture: European-American Trends**
Contact department for information to register for this course.

GERM386 **Experiential Learning**

GERM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

GERM389F **Topics in Germanic Culture; Berlin: History, Memory, Literature**
Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Supervised reading to be taken normally only by students admitted into honors program.

Contact department for information to register for this course.

GERM399 **Selected Topics in Germanic Studies**
Contact department for information to register for this course.

GERM399F **Selected Topics in Germanic Studies; The Human Condition and the Totalitarian Experience**
Contact department for information to register for this course.

GERM403 **Advanced Composition: German Cultural and Social Issues**

GERM403 Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department. Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

0101	Peter Beicken	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 2117

GERM403H **Advanced Composition: German Cultural and Social Issues**

GERM403H Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department. Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

0101	Peter Beicken	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 2117

GERM411 **German for International Business I**
Contact department for information to register for this course.

GERM415 **German/English Translation I**

GERM415 German/English Translation I; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must not have completed GERM101, GERM102, GERM103, GERM201, GERM202, GERM203, GERM204, GERM301, or GERM302.* An intensive presentation of German grammar limited exclusively to reading skill; graded readings in the arts and sciences. Instruction in English; cannot be used to satisfy the arts and humanities foreign language requirement.

0101	Rose-Marie Oster	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 2123

GERM439B **Selected Topics in German Literature; Berlin as a Cultural and Colonial Metropolis**

GERM439B Selected Topics in German Literature: Berlin as a Cultural and Colonial Metropolis; (3 credits) Grade Method: REG/P-F/AUD.
Taught in German.

0101	Elke Frederiksen	Seats (Total: 25)
	Th 4:30pm - 7:00pm	JMZ 3205

GERM463 **The World of the Viking Sagas**

GERM463 The World of the Viking Sagas; (3 credits) Grade Method: REG/P-F/AUD.
An in-depth analysis of the Old Norse/Viking sagas of Medieval Scandinavia as literature historiography and folklore. Readings include Sagas of the Icelanders, Kings Sagas and Heroic/Mythical Sagas. Taught in English.

0101	Rose-Marie Oster	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMZ 2206

GERM498 **Honors Thesis Writing**
Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM689B **Special Topics - M.A. Level; German Literature in the 21st Century**

GERM689B Special Topics - M.A. Level: German Literature in the 21st Century; (1-3 credits) Grade Method: REG/AUD.
This seminar investigates literary developments in the new millenium. Topics covered include globalization and transnational literature; the literature of migration; pop literature; the role of new media in literary production and reception; and the changing representation of German history and identity. We will consider questions of genre, aesthetics, authorship, and periodization as they take shape in a changing literary landscape. Taught in German.

0101	Hester Baer	Seats (Total: 10)
	M 4:30pm - 7:00pm	JMZ 3205

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Spring 2014

GREK102 **Elementary Ancient Greek II**

GREK102 Elementary Ancient Greek II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK101; or students who have taken courses with comparable content may contact the department.* Continuing development of basic grammar and reading skills; study and discussion of central aspects of Greek culture.

0101	Francisco Barrenechea	Seats (Total: 15)	
	MWF 2:00pm - 2:50pm	LEF 1222	
	M 1:00pm - 1:50pm	LEF 1222	Discussion

GREK112 **Elementary Modern Greek II**

GREK112 Elementary Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK111; or permission of instructor. Credit only granted for: FOLA109G or GREK112. Formerly: FOLA109G.* It is designed for students who have already completed the first semester course (GREK111) and/or those whose level of proficiency in Greek is not advanced enough for the intermediate level. Like GREK111, an introduction is provided to the language and culture of modern Greece. Students acquire the basic tools of the language and learn to communicate in simple, everyday situations. This is the second of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	WDS 1127

GREK212 **Intermediate Modern Greek II**

GREK212 Intermediate Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK211; or permission of instructor. Credit only granted for: FOLA119G or GREK212. Formerly: FOLA119G.* A continuation in the development of fluency in spoken and written communication along with the exploration of syntactic and grammatical structures. Comprehension and vocabulary enrichment are further developed through selected readings from Modern Greek prose and poetry. This is the second of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 15)
	MWF 11:00am - 11:50am	MMH 1218

GREK388 **Intermediate Ancient Greek Readings; New Testament**

GREK388 Intermediate Ancient Greek Readings: New Testament; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joan Burton	Seats (Total: 15)
	MW 3:30pm - 4:45pm	ARM 0101

GREK399 **Topics in Advanced Modern Greek Language and Culture**

GREK399 Topics in Advanced Modern Greek Language and Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Polyvia Parara	Seats (Total: 10)
	MWF 10:00am - 10:50am	MMH 1218

GREK472 **History and Development of the Greek Language**

GREK472 History and Development of the Greek Language; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Mastery of ancient Greek through grammar review, prose composition, and analysis of historical developments in Greek writers' modes of expression.

0101	Jorge Bravo	Seats (Total: 5)
	Tu 5:00pm - 7:40pm	MMH 1218

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK672 **History and Development of the Greek Language**

GREK672 History and Development of the Greek Language; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Mastery of ancient Greek through grammar review, prose composition, and analysis of historical developments in Greek writers' modes of expression.

0101	Jorge Bravo	Seats (Total: 10)
	Tu 5:00pm - 7:40pm	MMH 1218

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Spring 2014

GVPT100 **Scope and Methods for Political Science Research**

GVPT100 Scope and Methods for Political Science Research; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
An introduction to empirical research in political science.

0101	Sarah Croco TuTh 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) KEY 0106 TYD 1108	Discussion
0102	Sarah Croco TuTh 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 TYD 1114	Discussion
0103	Sarah Croco TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 TYD 2110	Discussion
0104	Sarah Croco TuTh 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) KEY 0106 TYD 0101	Discussion
0105	Sarah Croco TuTh 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 TYD 2110	Discussion
0106	Sarah Croco TuTh 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 TYD 2108	Discussion
0201	Sarah Croco TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 TYD 2110	Discussion
0202	Sarah Croco TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 TYD 2108	Discussion

0203	Sarah Croco TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 1114	Discussion
0204	Sarah Croco TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 TYD 2108	Discussion
0205	Sarah Croco TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 TYD 0111	Discussion
0206	Sarah Croco TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 0111	Discussion

GVPT101 **Introduction to Political Science**

GVPT101 Introduction to Political Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
A study of the basic principles and concepts of political science.

0101	Karol Soltan TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 EDU 3236	Discussion
0102	Karol Soltan TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EDU 0114	Discussion
0103	Karol Soltan TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 ASY 3219	Discussion
0104	Karol Soltan TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) JMZ 0220 EDU 3233	Discussion

0105	Karol Soltan TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) JMZ 0220 EDU 3236	Discussion
0106	Karol Soltan TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 EDU 0206	Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.

A comprehensive study of national government in the United States.

0101	Kristina Miler MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0116	Discussion
0102	Kristina Miler MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0126	Discussion
0103	Kristina Miler MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 MMH 0108	Discussion
0104	Kristina Miler MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1101	Discussion
0105	Kristina Miler MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 2119	Discussion
0106	Kristina Miler MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 0108	Discussion

0107	Kristina Miler MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 HBK 0123	Discussion
0108	Kristina Miler MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 EDU 2101	Discussion
0109	Kristina Miler MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 KEY 0125	Discussion

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies. *Prerequisite: GVPT100.* A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Scott Kastner MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 KEY 0119	Discussion
0102	Instructor: TBA MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 SQH 1121	Discussion
0103	Scott Kastner MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EDU 3236	Discussion
0104	Scott Kastner MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 SKN 1112	Discussion
0105	Scott Kastner MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 WDS 1114	Discussion

0106	Scott Kastner MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 EDU 3233	Discussion
0107	Scott Kastner MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 EDU 1315	Discussion
0108	Instructor: TBA MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 KEY 0126	Discussion
0109	Instructor: TBA MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 SKN 1115	Discussion

GVPT227 **The Craft of Political Science Research**

GVPT227 The Craft of Political Science Research; (4 credits) Grade Method: REG.
Prerequisite: GVPT100 and GVPT170. Restriction: Must be in a major in BSOS-College of Behavioral & Social Sciences; and sophomore standing or higher. An introduction to research design and statistics applicable to political science.

0101	James Gimpel TuTh 12:30pm - 2:10pm	Seats (Total: 30) PLS 1129

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Government & Politics program. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Ian Ward TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) SKN 0200 HBK 0115	Discussion

0102	Ian Ward TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 HBK 0109	Discussion
0103	Ian Ward TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) SKN 0200 HBK 1108	Discussion
0104	Ian Ward TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) SKN 0200 HBK 0108	Discussion
0105	Ian Ward TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 HBK 0115	Discussion
0106	Ian Ward TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) SKN 0200 HBK 0103	Discussion
0107	Ian Ward TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) SKN 0200 EDU 1121	Discussion
0108	Ian Ward TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 SQH 1117	Discussion

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**
Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**
Contact department for information to register for this course.

GVPT258D **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**
Contact department for information to register for this course.

GVPT258J **Introduction to Political Science Topics in Study Abroad; Comparative Foreign Policy_Haifa**
Contact department for information to register for this course.

GVPT258N **Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

GVPT258P **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**
Contact department for information to register for this course.

GVPT258Q **Introduction to Political Science Topics in Study Abroad; Latin American Social Revolutions**
Contact department for information to register for this course.

GVPT258R **Introduction to Political Science Topics in Study Abroad; Peace & Conflict Honors Seminar II: Regional Conflicts**
Contact department for information to register for this course.

GVPT273 **Introduction to Environmental Politics**

GVPT273 Introduction to Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

0101	Jennifer Hadden TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 HBK 0103	Discussion
0102	Jennifer Hadden TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 HBK 0103	Discussion
0103	Jennifer Hadden TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 2109 PLS 1146	Discussion

GVPT280 **Comparative Politics and Governments**
Contact department for information to register for this course.

GVPT289A **Special Topics in Government and Politics; Appetite for Change: Politics and The Globalization of Food**

GVPT289A Special Topics in Government and Politics: Appetite for Change: Politics and The Globalization of Food; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Virginia Haufler MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 LEF 1221	Discussion
0102	Virginia Haufler MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 LEF 1221	Discussion
0103	Virginia Haufler MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0104	Virginia Haufler MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0105	Virginia Haufler MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0106	Virginia Haufler MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 LEF 1221	Discussion

GVPT289B **Special Topics in Government and Politics; Globalization**
Contact department for information to register for this course.

GVPT289E **Special Topics in Government and Politics; Economy and Society**
Contact department for information to register for this course.

GVPT289G **Special Topics in Government and Politics; Global Perspectives on Development**
Contact department for information to register for this course.

GVPT289P **Special Topics in Government and Politics; Citizenship and Ethics**
Contact department for information to register for this course.

GVPT289T **Special Topics in Government and Politics; Issues and Controversies in 21st Century**
Contact department for information to register for this course.

GVPT289X **Special Topics in Government and Politics; Introduction to the European Union**
Contact department for information to register for this course.

GVPT289Y **Special Topics in Government and Politics; Theories of Peace and Conflict**
Contact department for information to register for this course.

GVPT306 **Global Environmental Politics**

GVPT306 Global Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200.* Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

0101	Mark Shirk	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	TYD 1102

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT309I **Topics in International Relations; Socio-Economic, Political, Religious, and Ethnic Conflicts in Israel, and the Search for Common Ground**
Contact department for information to register for this course.

GVPT317 **Mock Trial II: Advanced Trial Advocacy**

GVPT317 *(PermReq)* **Mock Trial II: Advanced Trial Advocacy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT217. Credit only granted for: GVPT317 or GVPT319B. Formerly: GVPT319B. Development of trial advocacy skills through participation in practice trials and intercollegiate mock trial competitions. Student may have an opportunity to represent the university in intercollegiate mock trial tournaments, including the National Mock Trial Championships.

0101	Mark Graber	Seats (Total: 30)
	W 6:30pm - 9:15pm	TYD 2106

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170.* A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Robert Koulish MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 HBK 0109	Discussion
0102	Robert Koulish MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 KEY 1117	Discussion
0103	Robert Koulish MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 ASY 3211	Discussion
0104	Robert Koulish MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 EDU 3315	Discussion
0105	Robert Koulish MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 SQH 1119	Discussion
0106	Robert Koulish MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 EDU 0114	Discussion

GVPT349 **Topics in Political Philosophy**
Contact department for information to register for this course.

GVPT349Z **Topics in Political Philosophy; Political Thought**
Contact department for information to register for this course.

GVPT355 **Capstone I: International Development and Conflict Management**

GVPT355 *(PermReq)* **Capstone I: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department. Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international conflict management and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.

0101	Instructor: TBA W 3:30pm - 6:15pm	Seats (Total: 75) TYD 0117

GVPT356 **Capstone II: International Development and Conflict Management**

GVPT356 *(PermReq)* **Capstone II: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT354. Restriction: Enrollment is restricted to students in the Minor in International Development and Conflict Management; and sophomore standing or higher; and permission of BSOS-Government & Politics department. Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced theory and the practice and profession of international development and is designed to provide students an introduction to, and a chance to engage with, a core set of practical skills relevant to the field.

0101	Stacy Kosko M 3:30pm - 6:15pm	Seats (Total: 40) TYD 1114
0201	Stacy Kosko TuTh 12:30pm - 1:45pm	Seats (Total: 10) Location: TBA

GVPT358A **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**
Contact department for information to register for this course.

GVPT358E **Study Abroad Seminar in Political Science; Sino-U.S. Relations and the Rise of Asia**
Contact department for information to register for this course.

GVPT358F **Study Abroad Seminar in Political Science; Government and Politics in France**
Contact department for information to register for this course.

GVPT358J **Study Abroad Seminar in Political Science; China's Media and Politics in the Context of Globalization**

Contact department for information to register for this course.

GVPT358P **Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**

Contact department for information to register for this course.

GVPT358R **Study Abroad Seminar in Political Science; Religion and Politics in Europe**

Contact department for information to register for this course.

GVPT359 **Topics in Comparative Politics**

Contact department for information to register for this course.

GVPT359Z **Topics in Comparative Politics; Parliament, Politics and Policy Making**

Contact department for information to register for this course.

GVPT360 **International Negotiations**

GVPT360 International Negotiations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200.* A study of the complexities of international negotiation and cross-cultural decision-making. Students will apply advanced computer technology in an interactive simulation involving actual negotiations.

0101	Instructor: TBA Tu 5:00pm - 7:45pm	Seats (Total: 40) TYD 2106

GVPT368D **Special Topics in Government and Politics; Introduction to Human Rights in Israel**

GVPT368D Special Topics in Government and Politics: Introduction to Human Rights in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448R. Credit granted for GVPT368D or ISRL448R. An overview of the status of human rights in Israel today and how Israel's legal system deals with them. Issues examined include rights of the Arab minority (including the Bedouin), women's rights, and those of Palestinians in the West Bank, as well as challenges that face human rights NGOs.

0101	Instructor: TBA Tu 7:00pm - 9:30pm	Seats (Total: 25) SQH 1107

GVPT368E **Special Topics in Government and Politics; Minorities in the State of Israel**

GVPT368E Special Topics in Government and Politics: Minorities in the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349O and JWST319O. Credit granted for GVPT368E, ISRL349O or JWST319O. An examination of the history and role of religious and ethnic minorities in the State of Israel, including Mizrahi Jews, Arabs, Russians, Ethiopians, Muslims, Christians, and Druze.

0101	Joseph Ringel	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1119

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic advisor, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics. GVPT majors only and departmental permission to register.

0101	Gilbert Nunez	Seats (Total: 40)
	Contact instructor or department for details.	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making. GVPT majors only and must have departmental permission to register.

0101	Gilbert Nunez	Seats (Total: 40)
	M 6:30pm - 9:15pm	TYD 0101

GVPT379C **Topics in American Politics; Civil Rights**

GVPT379C Topics in American Politics: Civil Rights; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Brent Newton	Seats (Total: 20)
	W 6:30pm - 9:00pm	BLD3 3202
	Limit to CCJS students at Shady Grove.	

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (3 credits)** Grade Method: REG/P-F/AUD.
GVPT majors only and must have departmental permission to register.

0101	Gilbert Nunez	Seats (Total: 40)
	M 6:30pm - 9:15pm	TYD 1132

GVPT388M **Topical Investigations; Mock Trial Independent Study**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial Independent Study; (1 credit)** Grade Method: REG/P-F.
Prerequisite: Permission of department.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 10) TYD 2108

GVPT388P **Topical Investigations; Maryland Internship Program**

GVPT388P *(PermReq)* **Topical Investigations: Maryland Internship Program; (3 credits)** Grade Method: REG/P-F/AUD.
Must have departmental permission to register.

0101	Paul Herrnson M 2:00pm - 4:45pm	Seats (Total: 15) TYD 2110
0201	Raymond Williams M 2:00pm - 4:45pm	Seats (Total: 15) ARM 0103

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT390 **Game Theory**

GVPT390 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not have completed ECON414. Credit only granted for: GVPT399A, GVPT390, or ECON414. Formerly: GVPT399A. Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, and evolutionary stability.

0101	Piotr Swistak Tu 2:00pm - 4:45pm	Seats (Total: 30) TYD 1101

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in Government & Politics Honors Program; and must have permission of the Government & Politics Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics**
Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; Cultures Without State: The Case of Catalonia**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; The European Union: Politics and Policy**
Contact department for information to register for this course.

GVPT399G **Seminar in Government and Politics; Israel Politics and Society**

GVPT399G Seminar in Government and Politics: Israel Politics and Society; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448A. Credit will be granted for GVPT399G or ISRL448A. An exploration of the nature of the Israeli political system: including constitutional structure, the multi-party system, the Knesset, electoral behavior, role of the military and media in the public sphere, and with a special emphasis on the role of leadership in Israel's history. Some previous knowledge of Israeli politics desirable.

0101	Yoram Peri	Seats (Total: 25)
	MW 3:30pm - 4:45pm	TYD 2108
	An exploration of the nature of the Israeli political system: including constitutional structure, the multi-party system, the Knesset, electoral behavior, role of the military and media in the public sphere, and with a special emphasis on the role of leadership in Israels history. Some previous knowledge of Israeli politics desirable.	

GVPT399I **Seminar in Government and Politics; Globilization**
Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; Modern British Politics**
Contact department for information to register for this course.

GVPT399K **Seminar in Government and Politics; Structure and Process in International Relations**
Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399M **Seminar in Government and Politics; Policy Analysis**
Contact department for information to register for this course.

GVPT399O **Seminar in Government and Politics; Parliament Politics**
Contact department for information to register for this course.

GVPT399P **Seminar in Government and Politics; Foreign Policy Analysis**
Contact department for information to register for this course.

GVPT399Q **Seminar in Government and Politics; Security and Defense Policy in the European Union**
Contact department for information to register for this course.

GVPT399R	**Seminar in Government and Politics; Modern American Government** **Contact department for information to register for this course.**
GVPT399T	**Seminar in Government and Politics; Democracy and Government Tody** **Contact department for information to register for this course.**
GVPT399V	**Seminar in Government and Politics; Political Economy of China and Japan** **Contact department for information to register for this course.**
GVPT399W	**Seminar in Government and Politics; International Economic Organizations** **Contact department for information to register for this course.**
GVPT399X	**Seminar in Government and Politics; Politics of the Balkan** **Contact department for information to register for this course.**
GVPT399Y	**Seminar in Government and Politics; Political Economy of Sustainable Development** **Contact department for information to register for this course.**
GVPT399Z	**Seminar in Government and Politics; International Security** **Contact department for information to register for this course.**
GVPT402	**International Law** **Contact department for information to register for this course.**
GVPT406	**International Organizations** **Contact department for information to register for this course.**
GVPT407	**International Political Economy** **Contact department for information to register for this course.**
GVPT409A	**Seminar in International Relations and World Politics; Political Underpinnings of Globalization** **GVPT409A Seminar in International Relations and World Politics: Political Underpinnings of Globalization; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: GVPT200. Restriction: Must be in the Government & Politics program.

0101	Bartlomiej Kaminski W 2:00pm - 4:45pm	Seats (Total: 30) TYD 2110

GVPT409E **Seminar in International Relations and World Politics; European Union**

GVPT409E Seminar in International Relations and World Politics: European Union; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restriction: Must be in the Government & Politics program.

0101	Bartlomiej Kaminski W 5:00pm - 7:45pm	Seats (Total: 30) TYD 1132

GVPT409H **Seminar in International Relations and World Politics; Middle East Politics**

GVPT409H *(PermReq)* **Seminar in International Relations and World Politics: Middle East Politics; (3 credits)** Grade Method: REG/P-F/AUD.
Must be in the Government & Politics Honors program.

0101	Shibley Telhami M 2:00pm - 4:45pm	Seats (Total: 20) MOR 1101

GVPT409T **Seminar in International Relations and World Politics; Political Economy of the Middle East**
Contact department for information to register for this course.

GVPT409V **Seminar in International Relations and World Politics; Game Theory and International Security**
Contact department for information to register for this course.

GVPT409X **Seminar in International Relations and World Politics; Arms Control in the Nuclear Realm**
Contact department for information to register for this course.

GVPT409Y **Seminar in International Relations and World Politics; Arab-Israeli Relations**
Contact department for information to register for this course.

GVPT409Z **Seminar in International Relations and World Politics; International Relations: Theory and Institutions**
Contact department for information to register for this course.

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	James Gimpel Tu 3:00pm - 5:45pm	Seats (Total: 30) TYD 1114	
0201	Eric Uslaner MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 2111	

GVPT429C **Problems in Political Behavior; Social Capital**

GVPT429C Problems in Political Behavior: Social Capital; (3 credits) Grade Method: REG/P-F/AUD.
Must be in the Government and Politics Program.

0101	Eric Uslaner M 3:30pm - 6:15pm	Seats (Total: 30) TYD 1102	

GVPT432 **Civil Rights and the Constitution**

GVPT432 Civil Rights and the Constitution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. Restriction: Must be in Government & Politics program. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants. All other students will be placed on the holdfile.

0101	Michael Spivey MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 1102 TYD 1108	 Discussion
0102	Michael Spivey MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 PLS 1113	 Discussion

0103	Michael Spivey	Seats (Total: 25)	
	MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	TYD 1102 TYD 1108	Discussion

GVPT439A **Seminar in Public Law; Comparative Constitutional Law**

GVPT439A Seminar in Public Law: Comparative Constitutional Law; (3 credits)
Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	Karol Soltan	Seats (Total: 10)	
	TuTh 11:00am - 12:15pm	LEF 1201	

GVPT441 **History of Political Theory: Ancient and Medieval**

GVPT441 History of Political Theory: Ancient and Medieval; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in Government & Politics program; and junior standing or higher. A survey of the principal political theories set forth in the works of writers before Machiavelli.

0101	Charles Alford	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TYD 1108	

GVPT442 **History of Political Theory--Medieval to Recent**
Contact department for information to register for this course.

GVPT443 **Contemporary Political Theory**

GVPT443 Contemporary Political Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in Government & Politics program. A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present.

0101	James Glass	Seats (Total: 25)	
	MW 2:00pm - 2:50pm F 9:00am - 9:50am	SQH 1120 SQH 1111	Discussion

0102	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SQH 1120 TYD 1108	Discussion
0103	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SQH 1120 EDU 0212	Discussion

GVPT443H **Contemporary Political Theory**

GVPT443H *(PermReq)* **Contemporary Political Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in Government & Politics program. A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present. Restriction: Must be in the Government & Politics Honors program.

0101	James Glass W 3:30pm - 6:15pm	Seats (Total: 20) TYD 0101

GVPT445 **Marxism and Postmarxism**

GVPT445 Marxism and Postmarxism; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in a major within BSOS-Government & Politics department. The study of Marxist thought and an assessment of the critical transformations and reassessments of the theory and practice of Marxism.

0101	Vladimir Tismaneanu TuTh 11:00am - 12:15pm	Seats (Total: 32) TYD 0102

GVPT449G **Seminar in Political Philosophy; Democracy and Religion**

GVPT449G Seminar in Political Philosophy: Democracy and Religion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in the Government and Politics program.

0101	Ian Ward Tu 3:30pm - 6:15pm	Seats (Total: 30) SQH 1121

GVPT449K **Seminar in Political Philosophy; Politics Through Popular Fiction and Short Stories**

GVPT449K Seminar in Political Philosophy: Politics Through Popular Fiction and Short Stories; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	Charles Alford	Seats (Total: 30)
	Tu 4:00pm - 6:45pm	TYD 1132

GVPT449L **Seminar in Political Philosophy; Ethics, Self and Identity: Issues in the Politics of Transgression, Violence and Human Dignity**

GVPT449L Seminar in Political Philosophy: Ethics, Self and Identity: Issues in the Politics of Transgression, Violence and Human Dignity; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Government and Politics program.

0101	James Glass	Seats (Total: 25)
	M 3:30pm - 6:15pm	TLF 1101

GVPT449X **Seminar in Political Philosophy; Ethics & Global Policy**
Contact department for information to register for this course.

GVPT449Y **Seminar in Political Philosophy; Environmental Political Theory**
Contact department for information to register for this course.

GVPT456 **The Politics of Terrorism**

GVPT456 The Politics of Terrorism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200. Restriction: Must be in Government & Politics program. Credit only granted for: GVPT456 or GVPT459T. Formerly: GVPT459T.* Examination of the definition, causes and organization of terrorist activity, along with key domestic and international counter- and anti-terrorism responses. Special emphasis on challanges and opportunities to the scientific study of terrorism.

0101	Kanisha Bond	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TYD 0102

GVPT457 **American Foreign Relations**
Contact department for information to register for this course.

GVPT458A	**Special Topics in Study Abroad IV; Inequality, Poverty, and Globalization** **Contact department for information to register for this course.**
GVPT458C	**Special Topics in Study Abroad IV; Politics, War and Economics in the Age of Globalization** **Contact department for information to register for this course.**
GVPT458E	**Special Topics in Study Abroad IV; European Politics: The European Union** **Contact department for information to register for this course.**
GVPT458F	**Special Topics in Study Abroad IV; Integration, Conflict and Security in Europe** **Contact department for information to register for this course.**
GVPT458J	**Special Topics in Study Abroad IV; Economic and Political Institutions of the European Union** **Contact department for information to register for this course.**
GVPT458L	**Special Topics in Study Abroad IV; Law and Dictatorship** **Contact department for information to register for this course.**
GVPT458M	**Special Topics in Study Abroad IV; Modern Central European Politics** **Contact department for information to register for this course.**
GVPT458N	**Special Topics in Study Abroad IV; Class, Nationalism and Civil War: Tradition and Modernization in Contemporary Spain** **Contact department for information to register for this course.**
GVPT458R	**Special Topics in Study Abroad IV; Terrorism and Counterterrorism in International Politics** **Contact department for information to register for this course.**
GVPT458X	**Special Topics in Study Abroad IV; European Legal Traditions** **Contact department for information to register for this course.**
GVPT459B	**Seminar in Comparative Politics; Comparative Political Institutions** **GVPT459B Seminar in Comparative Politics: Comparative Political Institutions; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: GVPT280. Restriction: Must be in the Government and Politics program.

0101	Daniel Owens TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 2111	

GVPT459K **Seminar in Comparative Politics; Russian Politics: From Lenin to Putin**

GVPT459K Seminar in Comparative Politics: Russian Politics: From Lenin to Putin; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Government & Politics program.

0101	Vladimir Tismaneanu TuTh 2:00pm - 3:15pm	Seats (Total: 25) BPS 1232	

GVPT460 **Problems in State and Local Government**

GVPT460 Problems in State and Local Government; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Recommended: GVPT260. Restriction: Must be in Government & Politics program. A study of the structure, procedures and policies of state and local governments with special emphasis on the state level and on intergovernmental relationships, and with illustrations from Maryland governmental arrangements.

0101	Stella Rouse TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 1102	

GVPT473 **The U.S. Congress**

GVPT473 The U.S. Congress; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members.

0101	Kristina Miler MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 PLS 1117	 Discussion
0102	Kristina Miler MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 PLS 1119	 Discussion

0103	Kristina Miler MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 ASY 3203	Discussion
SG91	Samantha Davis W 3:30pm - 6:00pm *Limit to CCJS students at Shady Grove.*	Seats (Total: 40) BLD3 3240	

GVPT474 **Political Parties**

GVPT474 Political Parties; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.* A descriptive and analytical examination of American political parties, nominations, elections, and political leadership.

0101	David Karol MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 JMZ 0205	Discussion
0102	David Karol MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 TYD 1102	Discussion
0103	David Karol MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 EDU 1121	Discussion

GVPT479C **Seminar in American Politics; Public Opinion and Citizen Politics**

GVPT479C Seminar in American Politics: Public Opinion and Citizen Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Restriction: Must be in the Government and Politics Program.

0101	Brian McKenzie M 4:00pm - 6:45pm	Seats (Total: 30) TYD 1108	

GVPT479H **Seminar in American Politics; Representation and Public Policy**

GVPT479H *(PermReq)* **Seminar in American Politics: Representation and Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must be in Goverment and Politics Honors Program.

0101	David Karol	Seats (Total: 20)
	MW 2:00pm - 3:15pm	SYM 0209

GVPT481 **Government and Administration of Russia and the States of the Former Soviet Union**
Contact department for information to register for this course.

GVPT485 **Government and Politics of the Middle East**
Contact department for information to register for this course.

GVPT722 **Advanced Quantitative Methods For Political Science**

GVPT722 Advanced Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: GVPT622; or permission of instructor. Introduction to multivariate analysis. Elementary matrix algebra, multiple linear and curvilinear correlation and regression, analysis of variance, canonical correlation and regression, discriminant analysis, and several types of factor analysis.

0101	William Reed	Seats (Total: 16)
	Th 9:30am - 12:15pm	LEF LAB1

GVPT729B **Special Topics in Quantitative Political Analysis; Time Series Analysis**

GVPT729B Special Topics in Quantitative Political Analysis: Time Series Analysis; (3 credits) Grade Method: REG/AUD.

0101	Patrick Wohlfarth	Seats (Total: 12)
	W 12:30pm - 3:15pm	TYD 1111

GVPT729C **Special Topics in Quantitative Political Analysis; Empirical Political Economics**

GVPT729C Special Topics in Quantitative Political Analysis: Empirical Political Economics; (3 credits) Grade Method: REG/AUD.

0101	Ethan Kaplan MW 11:00am - 12:15pm	Seats (Total: 20) BPS 0283

GVPT729M **Special Topics in Quantitative Political Analysis; Multi Level Analysis**

GVPT729M Special Topics in Quantitative Political Analysis: Multi Level Analysis; (3 credits) Grade Method: REG/AUD.

0101	Ernesto Calvo Th 9:30am - 12:15pm	Seats (Total: 12) LEF LAB3

GVPT771 **Seminar in American Political Behavior**

GVPT771 Seminar in American Political Behavior; (3 credits) Grade Method: REG/AUD.
This is the core seminar in American political behavior. The course will deal with prominent theoretical and empirical issues in the areas of voting, public opinion, political participation and other aspects of political behavior in the American context.

0101	Brian McKenzie M 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT780 **Seminar in the Comparative Study of Politics**

GVPT780 Seminar in the Comparative Study of Politics; (3 credits) Grade Method: REG/AUD.
An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.

0101	Margaret Pearson W 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT808C **Selected Topics in Functional Problems in International Relations; Prospectus Seminar in International Relations & Comparative Politics**

GVPT808C Selected Topics in Functional Problems in International Relations: Prospectus Seminar in International Relations & Comparative Politics; (3 credits) Grade Method: REG/AUD.

0101	Kanisha Bond M 3:30pm - 6:15pm	Seats (Total: 6) TYD 1136
0201	Kathleen Cunningham Contact instructor or department for details.	Seats (Total: 6)

GVPT831 **Formal Theories of Politics I**

GVPT831 Formal Theories of Politics I; (3 credits) Grade Method: REG/AUD. Survey of major formal theories of politics, with emphasis on those theories based on the assumptions of rationality. The theory of public goods, game theory, coalition theory, and the theoretical properties of voting systems.

0101	William Reed Th 12:30pm - 3:15pm	Seats (Total: 10) TYD 1111
0201	Johanna Birnir Th 12:30pm - 3:15pm	Seats (Total: 10) Location: TBA

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT873 **Seminar in Legislatures and Legislation**

GVPT873 Seminar in Legislatures and Legislation; (3 credits) Grade Method: REG/AUD.

Reports on topics assigned for individual study and reading about the composition and organization of legislatures and about the legislative process.

0101	Frances Lee	Seats (Total: 12)
	Tu 9:30am - 12:15pm	TYD 1136

GVPT889A **Selected Topics in Area Problems in International Relations; International Organization and Global Governance**

GVPT889A Selected Topics in Area Problems in International Relations: International Organization and Global Governance; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Hadden	Seats (Total: 12)
	W 3:30pm - 6:15pm	TYD 1136

GVPT889M **Selected Topics in Area Problems in International Relations; The Making of American Policy in the Middle East**

GVPT889M Selected Topics in Area Problems in International Relations: The Making of American Policy in the Middle East; (3 credits) Grade Method: REG/AUD.

0101	Shibley Telhami	Seats (Total: 12)
	M 6:15pm - 9:00pm	TYD 1111

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HACS ACES-Cybersecurity Spring 2014

HACS102 **Foundations in Cybersecurity II**

HACS102 Foundations in Cybersecurity II; (3 credits) Grade Method: REG.
GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: HACS100. Restriction: Must be a student in the ACES Honors program.
Second interdisciplinary foundational course of the ACES program. Through lectures and project work, students will learn and practice cybersecurity. Students will work in teams to develop a honeypot project, and work on this project throughout the course. Weekly lectures will supplement project work, focusing on types of computer attacks and protections, data collection and analysis, and other foundational cybersecurity concepts.

0101	Michel Cukier, Jandelyn Plane, Bertrand Sobesto TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0304
0201	Michel Cukier, Jandelyn Plane, Bertrand Sobesto TuTh 3:30pm - 4:45pm	Seats (Total: 30) MTH 0304

HACS208A **Seminar in Cybersecurity; Accounting and Economic Aspects of Cybersecurity**

HACS208A Seminar in Cybersecurity: Accounting and Economic Aspects of Cybersecurity; (3 credits) Grade Method: REG.

0101	Lawrence Gordon TuTh 11:00am - 12:15pm	Seats (Total: 10) VMH 1415

HACS208G **Seminar in Cybersecurity; Privacy Versus In-Your-Face Big Government**

HACS208G Seminar in Cybersecurity: Privacy Versus In-Your-Face Big Government; (3 credits) Grade Method: REG.
Also offered as HONR239R. Credit granted for HONR239R or HACS208G.

0101	James Purtilo TuTh 3:30pm - 4:45pm	Seats (Total: 20) CSI 3120

HACS208N **Seminar in Cybersecurity; National Security Dilemmas**

HACS208N Seminar in Cybersecurity: National Security Dilemmas; (3 credits) Grade Method: REG.
Also offered as HONR278D. Credit granted for HONR278D or HACS208N.

0101	Daniel Rosenthal Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120	

HACS279 **Undergraduate Research in Cybersecurity**

HACS279 *(PermReq)* **Undergraduate Research in Cybersecurity; (1-3 credits)** Grade Method: REG.

0101	Michel Cukier Contact instructor or department for details.	Seats (Total: 6)	
0201	Jandelyn Plane Contact instructor or department for details.	Seats (Total: 5)	

HDCC Digital Cultures and Creativity Spring 2014

HDCC106 **Introduction to Digital and Creativity II**

HDCC106 Introduction to Digital and Creativity II; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program. Introduction to the methods and theory of digital cultural production, with emphasis on creative and expressive platforms.

0101	Jason Farman M 4:00pm - 5:50pm W 4:00pm - 4:50pm	Seats (Total: 15) TYD 0117 QAN 0113	 Discussion
0102	Jason Farman M 4:00pm - 5:50pm W 5:00pm - 5:50pm	Seats (Total: 15) TYD 0117 QAN 0113	 Discussion
0103	Jason Farman M 4:00pm - 5:50pm Th 4:00pm - 4:50pm	Seats (Total: 15) TYD 0117 QAN 0113	 Discussion
0104	Jason Farman M 4:00pm - 5:50pm Th 5:00pm - 5:50pm	Seats (Total: 15) TYD 0117 QAN 0113	 Discussion

HDCC209A **Practicum in Digital Cultures and Creativity**

HDCC209A Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Hasan Elahi Tu 3:30pm - 5:15pm	Seats (Total: 14) QAN 1132	

HDCC209B **Practicum in Digital Cultures and Creativity**

HDCC209B Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Krista Caballero W 3:30pm - 5:15pm	Seats (Total: 14) ANA 0120	

HDCC209C **Practicum in Digital Cultures and Creativity**

HDCC209C Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Evan Golub M 4:00pm - 4:50pm W 4:00pm - 4:50pm	Seats (Total: 7) HBK 0108 HBK 0108	 Discussion
0201	Evan Golub M 4:00pm - 4:50pm F 4:00pm - 4:50pm	Seats (Total: 7) HBK 0108 HBK 0108	 Discussion

HDCC209D **Practicum in Digital Cultures and Creativity**

HDCC209D Practicum in Digital Cultures and Creativity; (2 credits) Grade Method: REG/P-F/AUD.

0101	Krista Caballero Th 3:30pm - 5:15pm	Seats (Total: 14) ANA 0103	

HDCC379 **Digital Cultures and Creativity Independent Study**

HDCC379 Digital Cultures and Creativity Independent Study; (1-3 credits) Grade Method: REG.

0101	Hasan Elahi	Seats (Total: 5)
	Contact instructor or department for details.	

HEBR Hebrew Spring 2014

HEBR112 Elementary Hebrew II

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111 which will be offered in the fall. Students who have studied Hebrew elsewhere are required to contact Dr. Avital Feuer.

HEBR112 Elementary Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HEBR111; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR103; and must not have completed HEBR104. Credit only granted for: (HEBR103 and HEBR104) or HEBR112.* Continuation of HEBR 111.

0201	Daria Semchenkova, Limor Bajayo	Seats (Total: 15)
	MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	ARC 1127 JMZ 2117

HEBR212 Intermediate Hebrew II

HEBR212 Intermediate Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.

Prerequisite: HEBR211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed HEBR203; and must not have completed HEBR204. Credit only granted for: (HEBR203 and HEBR204) or HEBR212. Continuation of HEBR211.

0101	Aharona Gazit-Rosenthal	Seats (Total: 15)
	MWF 11:00am - 12:50pm	JMZ 2117

HEBR314 Conversation and Composition II

HEBR314 Conversation and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313; or students who have taken courses with comparable content may contact the department. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Limor Bajayo TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1224
0201	Daria Semchenkova MWF 12:00pm - 12:50pm	Seats (Total: 15) ARC 1127

HEBR369A **Special Topics in Study Abroad III; Hebrew Lower Advanced**
Contact department for information to register for this course.

HEBR369B **Special Topics in Study Abroad III; Hebrew Lower Advanced**
Contact department for information to register for this course.

HEBR369C **Special Topics in Study Abroad III; Hebrew Upper Advanced**
Contact department for information to register for this course.

HEBR369D **Special Topics in Study Abroad III; Hebrew Upper Intermediate**
Contact department for information to register for this course.

HEBR381 **Introduction to Hebrew Cultural Studies**
Contact department for information to register for this course.

HEBR386 **Experiential Learning**

HEBR386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher. Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEBR498Q **Special Topics in Hebrew; Imagining the Other in Israeli Culture**

HEBR498Q Special Topics in Hebrew: Imagining the Other in Israeli Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST319Q, CMLT398B, and ISRL349Q. Credit granted for following ISRL349Q, JWST319Q, CMLT398B, or HEBR498Q. Jews of Eastern European origins have dominated the cultural climate of contemporary Israel. Through an exploration of fiction, poetry, memoirs, and selected criticism, we will explore the ways in which the "other," is imagined in Israeli culture.

0101	Sheila Jelen	Seats (Total: 20)
	MW 12:30pm - 1:45pm	TWS 3132

HEBR498T **Special Topics in Hebrew; Modern Hebrew Language: Issues in Spoken and Written Israeli Hebrew**

HEBR498T Special Topics in Hebrew: Modern Hebrew Language: Issues in Spoken and Written Israeli Hebrew; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Taught in Hebrew. Also offered as JWST419B.

0101	Einat Gonen	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

HEBR499 **Independent Study in Hebrew**

HEBR499 *(PermReq)* **Independent Study in Hebrew; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Spring 2014

HEIP144 **Contemporary Issues in Entrepreneurship and Innovation**

HEIP144 Contemporary Issues in Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEIP143. Restriction: Must be in the Entrepreneurship and Innovation Program (EIP). Inspires entrepreneurial innovation and creativity through interactive lectures, workshops, and case studies on contemporary issues to include energy, life sciences, healthcare, and technology. Explores entrepreneurial innovation sources, structures and dynamics. Helps students develop skills for generating ideas and addressing current issues and problems. Class meets in the LaPlata Hall - multi-purpose room.

0101	Jay Smith TuTh 11:00am - 12:15pm	Seats (Total: 30) LPA 0100
0201	Jay Smith TuTh 2:00pm - 3:15pm	Seats (Total: 30) LPA 0100
0301	Jay Smith TuTh 3:30pm - 4:45pm	Seats (Total: 30) LPA 0100

HEIP241 **EIP Capstone: Creating Enterprise with Social Impact**

HEIP241 EIP Capstone: Creating Enterprise with Social Impact; (2 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).
Addresses the global necessity to develop and implement solutions to critical social and environmental concerns in ways that are both technologically viable and economically sustainable. Through group exercises, guest speakers, discussions, and experiential learning activities, students will develop the skills to create businesses that achieve the double bottom line of both profitability and social benefit.

0101	Jay Smith, Annette Stanley MW 5:00pm - 5:50pm	Seats (Total: 32) LPA 1125
0201	Jay Smith, Joseph Curtis TuTh 5:00pm - 5:50pm	Seats (Total: 41) LPA 0100
0301	Jay Smith, Annette Stanley MW 3:00pm - 3:50pm	Seats (Total: 36) LPA 0100

HESP Hearing and Speech Sciences Spring 2014

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Credit only granted for: HESP120 or LING200. An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1118
0201	Tess Wood TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 2110

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 9:30am - 10:45am	Seats (Total: 99) TYD 0117

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Jared Novick, Arifi Waked MW 2:00pm - 3:15pm	Seats (Total: 52) TYD 1101

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Anatomy, physiology, and neurology of speech mechanism.

0101	Yee Key Nicole Li	Seats (Total: 52)
	TuTh 9:30am - 10:45am	LEF 2208

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Danielle Zion	Seats (Total: 52)
	TuTh 2:00pm - 3:15pm	SKN 0104

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of BSOS-Hearing Speech Sciences department.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Analysis of the normal processes of speech and language development in children.

0101	Yi Ting Huang	Seats (Total: 50)
	TuTh 9:30am - 10:45am	TYD 2106

HESP402 **Language and Phonological Disorders in Children**

HESP402 Language and Phonological Disorders in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP400; or permission of BSOS-Hearing & Speech Sciences department. Etiology, assessment and treatment of language and phonological disorders in children.

0101	Nan Ratner	Seats (Total: 50)
	MW 2:00pm - 3:15pm	TYD 1118

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Yee Lai	Seats (Total: 46)
	TuTh 3:30pm - 4:45pm	KEY 1117

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Matthew Goupell	Seats (Total: 50)
	MW 3:30pm - 4:45pm	LEF 2166

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Samira Anderson	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	TYD 2108

HESP418A **Clinical Practice in Speech-Language Pathology and Audiology; Audiology Option**

HESP418A *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Audiology Option; (3 credits)** Grade Method: REG/P-F/AUD.
For majors only.

0101	Deborah Berndtson, Sharon Palmer W 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 10) LEF 0111D

HESP418B **Clinical Practice in Speech-Language Pathology and Audiology; Speech Pathology Option**

HESP418B *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Speech Pathology Option; (3 credits)** Grade Method: REG/P-F/AUD.
For majors only.

0101	Vivian Sisskin Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)

HESP422 **Neurological Bases of Human Communication**

HESP422 Neurological Bases of Human Communication; (3 credits) Grade Method: REG.
Prerequisite: HESP305; or permission of instructor. Credit only granted for: HESP498 or HESP422. Basic neurology as it pertains to anatomy and physiology substrates of speech and language.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 10) LEF 2166

HESP469 **Honor Thesis Research**

HESP469 Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

HESP469A Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

HESP469B Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP498 **Seminar**

HESP498 Seminar; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP498B **Seminar; Augmentative and Alternative Communication**

HESP498B *(PermReq)* **Seminar: Augmentative and Alternative Communication; (3 credits)** Grade Method: REG.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Also offered as HESP627. Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication.

0101	Tonya Williams Walker	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	KEY 0124

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499H **Independent Study**

HESP499H Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP602 **Neurological Bases of Human Communication**

HESP602 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Basic neurology as it pertains to anatomical and physiological substrates of speech and language.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 30) LEF 2166

HESP610 **Aphasia**

HESP610 Aphasia; (3 credits) Grade Method: REG/AUD.
Language problems of adults associated with brain injury.

0101	Yasmeen Shah Tu 9:30am - 12:00pm	Seats (Total: 30) LEF 0135

HESP620 **Phonological and Articulatory Disorders**

HESP620 Phonological and Articulatory Disorders; (3 credits) Grade Method: REG/AUD.
Assessment and treatement of disorders at the phonological and articulatory levels of language and speech.

0101	Colleen Worthington Th 9:30am - 12:00pm	Seats (Total: 25) LEF 0135

HESP624 **Voice Disorders**

HESP624 Voice Disorders; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Yee Key Nicole Li Th 4:00pm - 6:30pm	Seats (Total: 30) LEF 0135

HESP627 **Augmentative and Alternative Communication**

HESP627 Augmentative and Alternative Communication; (3 credits) Grade Method: REG.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639R or HESP627. Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication. Also offered as HESP498B.

0101	Tonya Williams Walker	Seats (Total: 10)
	Tu 5:00pm - 7:30pm	KEY 0124

HESP632 **Medical Audiology**

HESP632 Medical Audiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP311. Corequisite: HESP606. Overview of auditory pathologies, and their assessment and management in the medical setting.

0101	Carmen Brewer	Seats (Total: 15)
	M 5:30pm - 8:00pm	LEF 0135

HESP636 **Geriatric Audiology**

HESP636 Geriatric Audiology; (3 credits) Grade Method: REG.
Prerequisite: HESP606 and HESP700. Restriction: Must be in one of the following programs (Hearing and Speech Sciences: Ph.D. (Doctoral); Clinical Audiology: Au.D. or Ph.D. (Doctoral); Hearing and Speech Sciences: M.A. (Master's)). Research findings are presented on the physical effects of aging on the auditory periphery and central nervous system, as well as the consequences of aging on behavioral and electrophysiologic measures of auditory function. Clinical implications in the effects of physiologic and cognitive aging on auditory performance will be discussed.

0101	Peter Fitzgibbons, Sandra Gordon-Salant	Seats (Total: 18)
	Tu 4:00pm - 6:30pm	LEF 1171

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP701 **Hearing Aids II**

HESP701 Hearing Aids II; (3 credits) Grade Method: REG.
Prerequisite: HESP700. Restriction: Must be in one of the following programs (Hearing and Speech Sciences: Ph.D. (Doctoral); Clinical Audiology: Au.D. or Ph.D. (Doctoral); Hearing and Speech Sciences: M.A. (Master's)) ; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations.

0101	LaGuinn Sherlock, Margaret McCabe	Seats (Total: 10)
	Tu 3:30pm - 6:00pm	LEF 0135

HESP706 **Advanced Clinical Audiology**

HESP706 Advanced Clinical Audiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: HESP606; or students who have taken courses with comparable content may contact the department.* Advanced clinical and experimental methods of evaluating the peripheral and central auditory system using acoustic stimuli. Procedural considerations and interpretation of test results.

0101	Samira Anderson F 1:00pm - 3:30pm	Seats (Total: 20) LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP724 **Research Design**

HESP724 Research Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: Must have completed a course in basic statistics.* Evaluations of research designs, critique of published articles and student involvement in designing experiments on assigned topics.

0101	Rochelle Newman M 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe	Seats (Total: 10)
	TBA	LEF 0135
	Contact instructor or department for details.	

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP878 **Seminar in Language Disorders**

HESP878 Seminar in Language Disorders; (3 credits) Grade Method: REG/AUD.

1601	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HHUM Honors Humanities Spring 2014

HHUM106 **Honors Humanities: The Arts in Practice**

HHUM106 Honors Humanities: The Arts in Practice; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice. *Recommended: HHUM105. Restriction: Must be in the Honors Humanities Program. Credit only granted for: ARHU106 or HHUM106. Formerly: ARHU106.* Intensive study of a particular form or category of art (e.g., Southern musical traditions, the graphic novel, one-act plays, the blogosphere, the personal essay)), especially as practiced in or relevant to the campus and metropolitan area. Students produce an instance of this art as their final project for the course.

0101	Christina Walter TuTh 2:00pm - 3:15pm	Seats (Total: 15) TWS 3250
0201	Luka Arsenjuk MW 9:30am - 10:45am	Seats (Total: 15) ANA 0120
0301	Scot Reese, Jillian Gaulding W 11:00am - 1:30pm	Seats (Total: 15) PAC 2804
0401	Dana Carluccio, Casey Patterson TuTh 11:00am - 12:15pm *Class meets in Queen Anne Library.*	Seats (Total: 15) Location: TBA

HHUM206 **Honors Humanities Research Semester**

HHUM206 Honors Humanities Research Semester; (1 credit) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: ARHU206 or HHUM206. Formerly: ARHU206. Independent research and completion of students' chosen Keystone Projec developed during the preceding three semesters in HHUM105, HHUM106 and HHUM205. Will meet as a class during the early part of the semester and discuss issues in humanities scholarship including theory, methodology and pedagogy.

0101	Gregory Staley, Dana Carluccio Contact instructor or department for details.	Seats (Total: 25)
0201	Abram Fox Contact instructor or department for details.	Seats (Total: 25)
0301	Nancy Stewart Contact instructor or department for details.	Seats (Total: 25)

HHUM328 **Internship in Honors Humanities**

HHUM328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 5)

HHUM329 **Undergraduate Teaching Assistantship**

HHUM329 Undergraduate Teaching Assistantship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Dana Carluccio	Seats (Total: 5)	
	Contact instructor or department for details.		

HISP Historic Preservation Spring 2014

HISP200 **The Everyday and the American Environment**

HISP200 The Everyday and the American Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as: HISP615. An introduction to the theories of the everyday within the context of the American built environment. Focuses primarily on the American experience of underrepresented, minority, and/or immigrant communities; both historical and contemporary. Attempts to challenge what is meant by American in describing the American everyday built environment.

0101	Michele Lamprakos	Seats (Total: 20)	
	Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	ARC 1101 ARC 1123	Discussion
0103	Michele Lamprakos	Seats (Total: 20)	
	Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm	ARC 1101 ARC 1125	Discussion

HISP630 **Preservation Policy and Planning**

HISP630 *(PermReq)* **Preservation Policy and Planning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619M or HISP630. Formerly: HISP619M. An opportunity is provided to look in depth at the national historic preservation program that is the federal, tribal, state, and local (city and county) public sector preservation activities being undertaken in accordance with public policy set by laws, regulations, standards, and guidelines.

0101	Constance Ramirez Tu 7:00pm - 9:45pm	Seats (Total: 15) ARC 1105

HISP635 **Social and Ethnic Issues in Historic Preservation Practice**

HISP635 Social and Ethnic Issues in Historic Preservation Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP628E or HISP635. Formerly: HISP628E. This seminar course examines the broader social and ethnic dimensions of historic preservation practice that have impacted the field since the "culture wars" of the 1990's. Through weekly case studies of local, international sites, students will explore these issues and apply newly emerging methodologies to their final case study project.

0101	Kelly Quinn Th 7:00pm - 9:45pm	Seats (Total: 10) ARC 1117

HISP640 **Historic Preservation Law, Advocacy and Public Policy**

HISP640 *(PermReq)* **Historic Preservation Law, Advocacy and Public Policy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619C or HISP640. Formerly: HISP619C. Introduce students to legal, advocacy, and public policy issues in the field of historic preservation. Student activities will be designed to teach basic working knowledge of relevant legal subjects, including historic preservation ordinances, state and federal preservation statutes, and important constitutional issues.

0101	Frederick Stachura M 7:00pm - 9:45pm	Seats (Total: 15) ARC 1125

HISP645 **Archaeology and Preservation**

HISP645 Archaeology and Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619A or HISP645. Formerly: HISP619A. An introduction to issues related to archaeological resources and preservation. Topics will include method and theory in American archaeology, archaeology in support of architectural history, archaeology and the NHPA, archaeological site preservation and conservation, and curation and collections management. Students will have a chance to work at an archaeological site to experience field excavation techniques and challenges, and will visit other archaeological sites and curation facilities in the area.

0101	Dennis Pogue W 4:00pm - 6:30pm	Seats (Total: 15) Location: TBA

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Dennis Pogue Contact instructor or department for details.	Seats (Total: 15)

HISP670 **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation**

HISP670 *(PermReq)* **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619T or HISP670. Formerly: HISP619T. Introduces students to the analysis of historic buildings, building systems and materials. The overall emphasis is on assessing the condition of a building and its parts, and formulating a preservation strategy based on it. Conservation methods will be discussed through the introduction of philosophies and specific techniques.

0101	Dennis Pogue W 7:00pm - 9:40pm	Seats (Total: 15) ARC 1105

HISP701 **Certificate Portfolio Project**

HISP701 *(PermReq)* **Certificate Portfolio Project; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Dennis Pogue	Seats (Total: 5)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 Final Project in Historic Preservation I; (1 credit) Grade Method: REG/AUD.
Credit only granted for: HISP700 or HISP710. Formerly: HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Christine Henry	Seats (Total: 15)
	Contact instructor or department for details.	

HISP711 **Final Project in Historic Preservation II**

HISP711 Final Project in Historic Preservation II; (2 credits) Grade Method: REG/AUD.
Credit only granted for: HISP700 or HISP711. Formerly: HISP700. An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Dennis Pogue	Seats (Total: 15)
	Contact instructor or department for details.	

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities. Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient Near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Kenneth Holum MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0102	Kenneth Holum MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 1108	Discussion
0103	Kenneth Holum MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TYD 1108	Discussion
0104	Kenneth Holum MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TYD 1108	Discussion
0105	Kenneth Holum MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0106	Kenneth Holum MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 1108	Discussion
0107	Kenneth Holum MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TYD 1108	Discussion
0108	Kenneth Holum MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 TYD 1108	Discussion

HIST111 **The Medieval World**

HIST111 The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Instructor: TBA MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0102	Instructor: TBA MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0103	Instructor: TBA MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0104	Instructor: TBA MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0105	Instructor: TBA MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0106	Instructor: TBA MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0107	Instructor: TBA MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0108	Instructor: TBA MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion

HIST131 **The History of the American Dream**

HIST131 The History of the American Dream; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST131 or HIST289J. Formerly: HIST289J. An introduction to the way Americans thought of themselves in the past, and their often conflicting visions of what constituted the American Dream. Central questions will include whether or not Americans have always envisioned their country as a land of equality, opportunity, democracy, and freedom and whether or not their ideas of what these values meant changed or remained the same over time.

0101	Michael Ross MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 TLF 1101	 Discussion
0102	Michael Ross MW 3:00pm - 3:50pm M 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 KEY 0124	 Discussion
0103	Michael Ross MW 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 TLF 1101	 Discussion
0104	Michael Ross MW 3:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 SQH 1123	 Discussion
0105	Michael Ross MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 KEY 0117	 Discussion
0106	Michael Ross MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ASY 2203 TLF 1101	 Discussion

HIST133 **"God Wills It!" The Crusades in Medieval and Modern Perspectives**

HIST133 "God Wills It!" The Crusades in Medieval and Modern Perspectives; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST133, HIST289D, or RELS289D. Formerly: HIST289D. An examination of the identities and convictions both of the Western Europeans who participated in the Crusades and of the Easterners (Muslim, Christian, and Jewish) whom they encountered in the Holy Land. Focuses on the era of the first four great Crusades, from about 1095 to 1215. Consideration of the cultural impact of these movements on both Western Europe and the Middle East. Also offered as RELS289D.

0101	Instructor: TBA MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 25) KEY 0102 KEY 0121	 Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) KEY 0102 KEY 0121	 Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) KEY 0102 HBK 1108	 Discussion

HIST135 **Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode**

HIST135 Civil Discourse or Urban Riot: Why Cities Don't (Often) Explode; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An examination of the mechanisms that promote peaceful co-existence in urban societies and a discussion of how and why city streets sometimes become violent.

0101	Bernard Cooperman MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TLF 1103	 Discussion
0102	Bernard Cooperman MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 SKN 0104	 Discussion

0103	Bernard Cooperman MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 SKN 0104	Discussion

HIST136 **Moneyland: Business in American Culture**

HIST136 Moneyland: Business in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Examines the interplay between America's stature as a business society and the public distrust of commerce, big business, and money.

0101	David Sicilia MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 25) KEY 0102 KEY 0121	Discussion
0102	David Sicilia MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 25) KEY 0102 KEY 0121	Discussion
0103	David Sicilia MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) KEY 0102 KEY 0121	Discussion

HIST142 **Looking at America through a Global Lens**

HIST142 Looking at America through a Global Lens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST289I or HIST142. Formerly: HIST289I. Looking at America will focus on a thematic approach to the study of foreign -- negative and positive -- perceptions of America in the 20th century.

0101	Saverio Giovacchini MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 25) TYD 0117 KEY 0124	Discussion
0102	Saverio Giovacchini MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 KEY 1117	Discussion

0103	Saverio Giovacchini MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 KEY 1117	Discussion

HIST200 **Interpreting American History: Beginnings to 1877**

HIST200 Interpreting American History: Beginnings to 1877; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities. *Credit only granted for: HIST156 or HIST200. Formerly: HIST156.* The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Christina Larocco MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0102	Christina Larocco MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0103	Christina Larocco MW 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion
0104	Christina Larocco MW 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0105	Christina Larocco MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0106	Christina Larocco MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0107	Christina Larocco MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0108	Christina Larocco MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion

HIST201 **Interpreting American History: From 1865 to the Present**

HIST201 Interpreting American History: From 1865 to the Present; (3 credits)
Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: HIST157 or HIST201. Formerly: HIST157. The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Edwin Smead MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0102	Edwin Smead MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0103	Edwin Smead MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 WDS 1127	 Discussion
0104	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0105	Edwin Smead MW 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TLF 1101	 Discussion
0106	Edwin Smead MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0107	Edwin Smead MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 ARM 0103	 Discussion

0108	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SYM 0215	Discussion
0201	Robert Chiles TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 HBK 0123	Discussion
0202	Robert Chiles TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0203	Instructor: TBA TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 1118	Discussion
0204	Instructor: TBA TuTh 9:30am - 10:20am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0205	Instructor: TBA TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0206	Instructor: TBA TuTh 9:30am - 10:20am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0207	Robert Chiles TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0208	Robert Chiles TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

HIST205 Environmental History

HIST205 Environmental History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
An exploration of the way different societies have used, imagined, and managed nature. Includes examination of questions of land use, pollution, conservation, and the ideology of nature, especially but not exclusively in Europe and North America.

0101	Thomas Zeller MW 2:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0124	Discussion
0102	Thomas Zeller MW 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0125	Discussion
0103	Thomas Zeller MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 ARM 0118	Discussion
0104	Thomas Zeller MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0126	Discussion

HIST206 **Introduction to the History of Technology**

HIST206 Introduction to the History of Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HIST175 or HIST206. Formerly: HIST175. Introduction to the history of major technological changes and innovations; examination of the revolutionizing potential of technology.

0101	Robert Friedel TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MCB 1207 KEY 0117	Discussion
0102	Robert Friedel TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MCB 1207 KEY 0124	Discussion

0103	Robert Friedel TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MCB 1207 KEY 0123	Discussion
0104	Robert Friedel TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MCB 1207 TLF 1103	Discussion

HIST208W **Historical Research and Methods Seminar; Crisis, Conflict, Chaos, Rome in the First Century BCE**

HIST208W *(PermReq)* **Historical Research and Methods Seminar: Crisis, Conflict, Chaos, Rome in the First Century BCE; (3 credits)** Grade Method: REG. Prerequisite: permission of department.

0101	William Burghart M 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) TLF 2108	
0201	William Burghart Tu 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103	

HIST208X **Historical Research and Methods Seminar; History in the Archives: The Civil War in Maryland**

HIST208X *(PermReq)* **Historical Research and Methods Seminar: History in the Archives: The Civil War in Maryland; (3 credits)** Grade Method: REG. Prerequisite: permission of department.

0101	Cathleen Brennan M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0120	
0201	Cathleen Brennan Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 12) KEY 0117	

HIST208Y **Historical Research and Methods Seminar; Minorities in the Modern Middle East**

HIST208Y *(PermReq)* **Historical Research and Methods Seminar: Minorities in the Modern Middle East; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Alda Benjamen W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108	
0201	Alda Benjamen Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100	

HIST208Z **Historical Research and Methods Seminar; Nationalism in 19th and 20th Century Europe**

HIST208Z *(PermReq)* **Historical Research and Methods Seminar: Nationalism in 19th and 20th Century Europe; (3 credits)** Grade Method: REG.

0101	Scott Moore W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 1101	
0201	Scott Moore Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103	

HIST211 **Love, Labor, and Citizenship: History of American Women Since 1880**

HIST211 Love, Labor, and Citizenship: History of American Women Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: WMST211. Credit only granted for: HIST211 or WMST211. An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion

0102	Robyn Muncy TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0103	Robyn Muncy TuTh 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 TLF 1101	Discussion
0104	Robyn Muncy TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1101	Discussion

HIST214 **Rebellious Women**

HIST214 Rebellious Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST214, HIST219B, or WMST298G. Formerly: HIST219B.
Examination of British, French, and American women who rebelled against laws and cultural ideas that restricted women in their era. Explores changing assessments of these women across time. Also offered as WMST298G.

0101	Instructor: TBA TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Instructor: TBA TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0103	Instructor: TBA TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0104	Instructor: TBA TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion

HIST219W **Special Topics in History; Middle East and North Africa in the 20th Century**

HIST219W Special Topics in History: Middle East and North Africa in the 20th Century; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.

0101	Peter Wien TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126	

HIST222 **Immigration and Ethnicity in America**

HIST222 Immigration and Ethnicity in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: AAST222. Credit only granted for: AAST222, AAST298A, HIST219L, or HIST222. Formerly: HIST219L. The history of immigration and the development of diverse populations i the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race, and diversity in American culture. Also offered as AAST222.

0101	Lisa Mar MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) PLS 1140 KEY 0119	Discussion
0102	Lisa Mar MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 KEY 0123	Discussion
0103	Lisa Mar MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) PLS 1140 KEY 0117	Discussion
0104	Lisa Mar MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 KEY 0125	Discussion

HIST225 **Modern Military History, 1815-Present**

HIST225 Modern Military History, 1815-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

0101	Jon Sumida MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0102	Jon Sumida MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0103	Jon Sumida MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0104	Jon Sumida MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0105	Jon Sumida MW 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0106	Jon Sumida MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 TLF 1103	 Discussion
0107	Jon Sumida MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0108	Jon Sumida MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST235 **History of Britain 1461 to 1714**

HIST235 History of Britain 1461 to 1714; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
British history from the War of the Roses to the Hanoverian succession; Yorkist and Tudor society and politics; the Renaissance and Reformation in England, Henry VIII through Elizabeth I; 17th-century crises and revolutions; intellectual and cultural changes; the beginnings of empire; the achievement of political and intellectual order.

0101	Sabrina Baron	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0116

HIST236 **History of Britain 1688 to Present**

HIST236 History of Britain 1688 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
British history from the Glorious Revolution of 1688 to the present. The revolution of 1688; the structure of 18th-century society and politics; economic and social change in the Industrial Revolution; 19th- and 20th-century political and social reform; imperialism; the impact of the First and Second World Wars on British society.

0101	Julie Taddeo	Seats (Total: 30)
	MW 1:00pm - 2:15pm	HBK 0105

HIST251 **Latin America Since Independence**

HIST251 Latin America Since Independence; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Introductory survey of the history of Latin America from the era of independence (c. 1810-1825) through the early 1980s. Major themes include independence and sovereignty, postcolonialism and neocolonialism, nation- and state-building, liberalism, citizenship, economic development and modernization, social organization and stratification, race and ethnicity, gender relations, identity politics, reform and revolution, authoritarianism and democratization, and inter-American relations.

0101	Theodore Cohen TuTh 11:00am - 12:15pm	Seats (Total: 40) SYM 0200	

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

0101	Robert Chiles TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) ARM 0135 KEY 0117	Discussion
0102	Robert Chiles TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) ARM 0135 ARM 0103	Discussion
0103	Robert Chiles TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) ARM 0135 KEY 0120	Discussion
0104	Robert Chiles TuTh 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) ARM 0135 ARM 0121	Discussion

HIST269D **Special Topics in Study Abroad II; Barcelona: the City and its History**
Contact department for information to register for this course.

HIST269M **Special Topics in Study Abroad II; History of Modern Italy**
Contact department for information to register for this course.

HIST269O **Special Topics in Study Abroad II; Mediterranean Politics and Culture**
Contact department for information to register for this course.

HIST269Y **Special Topics in Study Abroad II; Rome Republic & Empire**
Contact department for information to register for this course.

HIST283 **History of the Jewish People II**

HIST283 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H. Political, economic, social, and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth-century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST235. Credit will be granted for HIST283 or JWST235.

0101	Rachel Manekin MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 SQH 1101	 Discussion
0102	Rachel Manekin MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 SQH 1123	 Discussion
0103	Rachel Manekin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) SQH 1120 KEY 1117	 Discussion
0104	Rachel Manekin MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 1117	 Discussion

HIST283H **History of the Jewish People II**

HIST283H History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H. Political, economic, social, and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth-century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST235H. Credit will be granted for HIST283H or JWST235H.

0101	Rachel Manekin MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) SQH 1120 KEY 0125	Discussion

HIST285 **East Asian Civilization II**

HIST285 East Asian Civilization II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
A survey of the historical development of modern Asia since 1700. Primarily concerned with the efforts of East Asians to preserve their traditional cultures in the face of Western expansion in the 18th and 19th centuries, and their attempts to survive as nations in the 20th century.

0101	James Gao TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0102	James Gao TuTh 9:30am - 10:20am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 WDS 1127	Discussion
0103	James Gao TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1114	Discussion
0104	James Gao TuTh 9:30am - 10:20am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 WDS 1114	Discussion

HIST289L **Comparative History of Crime and Punishment**

HIST289L Comparative History of Crime and Punishment; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Holly Brewer TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 25) TYD 2109 TLF 1103	 Discussion
0102	Holly Brewer TuTh 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 2109 KEY 0121	 Discussion
0103	Holly Brewer TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 2109 TLF 1103	 Discussion

HIST289N **The Politics of Sexuality in America: A Historical Approach**

HIST289N The Politics of Sexuality in America: A Historical Approach; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Clare Lyons MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TWS 1100 KEY 0126	 Discussion
0102	Clare Lyons MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 25) TWS 1100 KEY 0103	 Discussion
0103	Clare Lyons MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) TWS 1100 TLF 1101	 Discussion

HIST289O **Lawlessness: From Pirates to Body-snatchers, Exploring the Legitimacy of Illicit Activity**

HIST289O Lawlessness: From Pirates to Body-snatchers, Exploring the Legitimacy of Illicit Activity; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Anne Rush	Seats (Total: 25)	
	TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	TYD 0117 TYD 1118	Discussion
	Explores lawless behavior around the world 1600's to the present. Considers motives for and responses to lawlessness along with its relationship to national sovereignty and international security, human and property rights, and issues of personal freedom, scientific progress, and community survival.		
0102	Anne Rush	Seats (Total: 25)	
	TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	TYD 0117 HBK 0123	Discussion
0103	Anne Rush	Seats (Total: 25)	
	TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	TYD 0117 KEY 0120	Discussion

HIST289R **Pocketbook Politics: A History of American Buying and Selling**

HIST289R Pocketbook Politics: A History of American Buying and Selling; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Katarina Keane	Seats (Total: 20)	
	MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	MMH 1400 KEY 0121	Discussion
0102	Katarina Keane	Seats (Total: 20)	
	MW 12:00pm - 12:50pm W 11:00am - 11:50am	MMH 1400 KEY 0121	Discussion
0103	Katarina Keane	Seats (Total: 20)	
	MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	MMH 1400 KEY 0123	Discussion
0104	Katarina Keane	Seats (Total: 20)	
	MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	MMH 1400 TLF 1101	Discussion

0105	Katarina Keane MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) MMH 1400 KEY 0120	Discussion
0106	Katarina Keane MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) MMH 1400 KEY 0103	Discussion

HIST289V **What Does It Mean to be An American?**

HIST289V What Does It Mean to be An American?; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Edwin Smead MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 1117 TLF 1103	Discussion
0102	Edwin Smead MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 1117 TLF 1103	Discussion
0103	Edwin Smead MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 1117 TLF 1103	Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST307 **The Holocaust of European Jewry**

HIST307 The Holocaust of European Jewry; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: JWST345. Credit only granted for: HIST307 or JWST345. Roots of Nazi Jewish policy in the l930's and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 1103	 Discussion
0102	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion
0103	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TYD 1132	 Discussion
0104	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	 Discussion

HIST319N **Special Topics in History; Modern History of Korea**

HIST319N Special Topics in History: Modern History of Korea; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Lilley TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116	

HIST319P **Special Topics in History; The Jews of the Islamic World from the times of Muhammad until Today**

HIST319P Special Topics in History: The Jews of the Islamic World from the times of Muhammad until Today; (3 credits) Grade Method: REG/P-F/AUD. Also offered as JWST319P and ISRL349P. Credit granted for ISRL349P (Spring 2014), ISRL449R, JWST429A, HIST428W (Spring 2013) or HIST319P. Exploration of the history of Jewish-Muslim relations from the time of Muhammad until today.

0101	Joseph Ringel TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1119	

HIST319Z **Special Topics in History; The FBI 1909-1978**
Contact department for information to register for this course.

HIST326 **The Roman Republic**

HIST326 The Roman Republic; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST111 or HIST110; or permission of instructor.* Ancient Rome 753-44 B.C., from its founding to the assassination of Julius Caesar. Rome's conquest of the Mediterranean world, the social and political forces that brought it about, and the consequent transformation and decline of the Republic.

0101	Arthur Eckstein MW 11:00am - 12:15pm	Seats (Total: 40) KEY 0126

HIST327 **The Roman Empire**

HIST327 The Roman Empire; (3 credits) Grade Method: REG/P-F/AUD. Roman history from Augustus to Heraclius, 44BC-641AD: The Imperial court and government; the diversity of culture in provinces and cities and the progress of Romanization; Roman religion and its transformation in late antiquity; the Roman army and defense of the frontiers.

0101	Elizabeth Conner TuTh 9:30am - 10:45am	Seats (Total: 40) JMZ 2206

HIST328B **Selected Topics in History; Slavery and Emancipation in the Americas**

HIST328B Selected Topics in History: Slavery and Emancipation in the Americas; (3 credits) Grade Method: REG/P-F/AUD.

0101	Theodore Cohen MW 11:00am - 12:15pm	Seats (Total: 40) LEF 2208

HIST328I **Selected Topics in History; Women in Israel**
Contact department for information to register for this course.

HIST329X **Special Topics in History; Mobility in History: Planes, Trains, Automobiles**

HIST329X Special Topics in History: Mobility in History: Planes, Trains, Automobiles; (3 credits) Grade Method: REG/P-F/AUD.

0101	Thomas Zeller W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST329Z **Special Topics in History; Conflicts and Challenges in Israel 1948-1967**

HIST329Z Special Topics in History: Conflicts and Challenges in Israel 1948-1967; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL359A. Taught (in English) from Tel Aviv University by Professor Anat Stern using distance learning technology to students in Israel and UMD. Israel's early years (1948-1967), including wars, mass immigration, and economic hardship; emphasizing how Israel's varied cultural and ethnic groups shaped its collective identity. Click here for more course information.

0101	Paul Scham	Seats (Total: 20)
	M 9:15am - 12:45pm	HBK 0109

HIST333 **The European Reformations**

HIST333 The European Reformations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST111 or HIST112; or permission of instructor required. Also offered as: RELS343. Credit only granted for: HIST333 or RELS343. Examination of developments in European religion between 1450 and 1700; the late-medieval Church and its critics; rise of Protestant thought in Germany and its spread throughout Europe; reform efforts in the Catholic Church; religious wars and violence and their impact on state and society; consequences of religious reform in society and its impact on the family and women.

0101	Stefano Villani	Seats (Total: 40)
	MW 2:00pm - 3:15pm	TYD 0111

HIST353 **America in the Revolutionary Era, 1763-1815**

HIST353 America in the Revolutionary Era, 1763-1815; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, HIST254, or HIST275; or must have completed HIST156; or permission of instructor. The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

0101	Whitman Ridgway	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0103

HIST354 **Ante-Bellum America 1815-1861**

HIST354 Ante-Bellum America 1815-1861; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, HIST222, HIST254, or HIST275; or must have completed HIST156; or permission of instructor. Traces how the strong nationalism after the War of 1812 transformed int the sectionalism that led to Civil War. The course concentrates on the controversies over slavery and other issues contributing to North-South antagonism, including Jacksonian democracy, capitalism, racism, immigration, manifest destiny and religious, social, and intellectual movements, each of which produced its own social tendencies and tensions.

0101	Robert Chiles	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0116

HIST356 **Emergence of Modern America, 1900-1945**

HIST356 Emergence of Modern America, 1900-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor. The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman, and the New Negro.

0101	Katarina Keane	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0126

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-History department; and junior standing or higher. The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

Contact department for information to register for this course.

HIST396 **Honors Colloquium II**

HIST396 *(PermReq)* **Honors Colloquium II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: Permission of ARHU-History department; or HIST395. Restriction: Must be in History program. Uses a seminar approach to examine a major problem of historical interpretation across two or more diverse cultures in different periods. Topics vary and include: religion and society, the city in history, gender, slavery and emancipation, and modernization.

0101	Ira Berlin	Seats (Total: 12)
	Tu 12:00pm - 2:00pm	TLF 2100
	Contact instructor or department for details.	

HIST399 **Honors Thesis II**

HIST399 *(PermReq)* **Honors Thesis II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Holly Brewer	Seats (Total: 12)
	F 3:00pm - 5:30pm	TLF 2103

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD.
The internal development of biology in the 19th and 20th centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

SG91	John Parascandola	Seats (Total: 40)
	TuTh 9:30am - 10:45am	BLD2 3012
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.	

HIST405 **Environmental History**

HIST405 Environmental History; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.

0101	Robert Friedel TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST408E **Senior Seminar; Central Asia and Empire**

HIST408E *(PermReq)* **Senior Seminar: Central Asia and Empire; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of the department.

0101	Sarah Cameron W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 1103

HIST408I **Senior Seminar; The End of the '60s**

HIST408I *(PermReq)* **Senior Seminar: The End of the '60s; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of department.

0101	Arthur Eckstein Tu 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408K **Senior Seminar; Early American History**

HIST408K *(PermReq)* **Senior Seminar: Early American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of department.

0101	Miles Bradbury W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408M **Senior Seminar; Readings in the Modern American South, from the Civil War to Civil Rights**

HIST408M *(PermReq)* **Senior Seminar: Readings in the Modern American South, from the Civil War to Civil Rights; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Emily Landau	Seats (Total: 12)
	Tu 9:30am - 11:30am	TLF 2100
	Contact instructor or department for details.	

HIST408N **Senior Seminar; History of the Inquisition**

HIST408N *(PermReq)* **Senior Seminar: History of the Inquisition; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Stefano Villani	Seats (Total: 12)
	M 10:00am - 12:00pm	TLF 2103
	Contact instructor or department for details.	

HIST408O **Senior Seminar; Ancient World**

HIST408O *(PermReq)* **Senior Seminar: Ancient World; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of department.

0101	Elizabeth Conner	Seats (Total: 12)
	W 1:00pm - 3:00pm	TLF 2103
	Contact instructor or department for details.	

HIST408R **Senior Seminar; Literature and Jewish Life in Eastern Europe**

HIST408R *(PermReq)* **Senior Seminar: Literature and Jewish Life in Eastern Europe; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of department. Also offered as HIST408R. Credit granted for HIST408R or JWST409A. We will discuss works by Karl Emil Franzos, Joseph Roth, Alfred Dobin, and others, and examine their contribution to the myths concerning

0101	Rachel Manekin	Seats (Total: 12)
	MW 2:00pm - 3:15pm	SQH 1111

HIST408X **Senior Seminar; Britain at War: A Cultural History**

HIST408X *(PermReq)* **Senior Seminar: Britain at War: A Cultural History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of department.

0101	Julie Taddeo	Seats (Total: 12)
	M 10:00am - 12:00pm	TLF 2100
	Contact instructor or department for details.	

HIST419E **Special Topics in History; Making and Critiquing Digital History**

HIST419E Special Topics in History: Making and Critiquing Digital History; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: U.S., European or World History.

0101	Jennifer Guiliano	Seats (Total: 25)
	M 3:30pm - 6:00pm	HBK 0301

HIST419K **Special Topics in History; Victorian London c. 1830-1900**
Contact department for information to register for this course.

HIST419N **Special Topics in History; History of Country Music in the 20th Century South**

HIST419N Special Topics in History: History of Country Music in the 20th Century South; (3 credits) Grade Method: REG/P-F/AUD.

0101	Emily Landau	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0126

HIST419T **Special Topics in History; THE NEW DEAL**

HIST419T Special Topics in History: THE NEW DEAL; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robyn Muncy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 1117

HIST419V **Special Topics in History; Modern Central and Eastern Europe**

HIST419V Special Topics in History: Modern Central and Eastern Europe; (3 credits) Grade Method: REG/P-F/AUD.

0101	Piotr H Kosicki	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 1117

HIST419Z **Special Topics in History; Law & Society in Middle East History**

HIST419Z Special Topics in History: Law & Society in Middle East History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Madeline Zilfi	Seats (Total: 12)
	Tu 2:00pm - 4:15pm	TLF 2103

HIST428A **Selected Topics in History; Chinese Cities and Frontiers**

HIST428A Selected Topics in History: Chinese Cities and Frontiers; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Gao	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0126

HIST428K **Selected Topics in History; Confucius' Many Lives in East Asia and Asian America**

HIST428K Selected Topics in History: Confucius' Many Lives in East Asia and Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498B, PHIL428L, and RELS419M. Credit will be granted for one of the following: AAST498B, HIST428K, PHIL428L, or RELS419M. Explores the strong influences of Confucian cultural ideals in East Asia and among Asian Americans, from ancient China to the 21st century modern present, focusing on the ways diverse peoples imagined Confucius to meet the needs of their times. Topics include: ideas about leading a good and meaningful life, religion, philosophy, family, politics, and education, as well as globalimigrations of ideas, peoples, and cultural practices in the Pacific World.

0101	Lisa Mar	Seats (Total: 40)
	MW 2:00pm - 3:15pm	PLS 1119

HIST428N **Selected Topics in History; Immigrant Life Stories: A Practicum in Oral History**

HIST428N Selected Topics in History: Immigrant Life Stories: A Practicum in Oral History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Thomas Castillo	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	KEY 0126
	Contact instructor or department for details.	

HIST428R **Selected Topics in History; Transition to Islam: From the Ancient to the Medieval MuslimWorld**

HIST428R Selected Topics in History: Transition to Islam: From the Ancient to the Medieval MuslimWorld; (3 credits) Grade Method: REG/P-F/AUD.

0101	Antoine Borrut	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 1117

HIST428V **Selected Topics in History; Dividing Palestine? A Simulation of Jewish-Arab Negotiations**

HIST428V Selected Topics in History: Dividing Palestine? A Simulation of Jewish-Arab Negotiations; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448D. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leader of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

0101	Paul Scham	Seats (Total: 21)
	TuTh 3:30pm - 4:45pm	SQH 1123

HIST429F **Special Topics in History; MAC to Millennium: History of the University of Maryland**

HIST429F Special Topics in History: MAC to Millennium: History of the University of Maryland; (3 credits) Grade Method: REG/P-F/AUD.

0101	Anne Turkos, Jason Speck	Seats (Total: 30)
	Th 2:00pm - 4:30pm	HBK 3210

HIST429M **Special Topics in History; History and Memory in Medieval Islam**

HIST429M Special Topics in History: History and Memory in Medieval Islam; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Previous course in Middle Eastern history.

0101	Antoine Borrut	Seats (Total: 15)
	M 2:00pm - 4:00pm	TLF 2100
	Contact instructor or department for details.	

HIST429T **Special Topics in History; Seeking the Spiritual in Nineteenth and Twentieth-Century America: Journeys in Faith**

HIST429T Special Topics in History: Seeking the Spiritual in Nineteenth and Twentieth-Century America: Journeys in Faith; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as RELS419T. Credit granted for HIST429T or RELS419T.

0101	Miles Bradbury	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 0103

HIST429Z **Special Topics in History; History of Poisons**

HIST429Z Special Topics in History: History of Poisons; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Parascandola	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	BLD3 4226
	Limited to CCJS students at Shady Grove.	

HIST431 **Stuart England**

HIST431 Stuart England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious, and social forces in English life, 1603-1714, with special emphasis on Puritanism and the English revolutions.

0101	Sabrina Baron	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 0103

HIST436 **Napoleon, the French Revolution, and the World**

HIST436 Napoleon, the French Revolution, and the World; (3 credits) Grade Method: REG/P-F/AUD.
An argument for the broad continuity between the revolutionary and Napoleonic wars.

0101	Donald Sutherland MW 3:30pm - 4:45pm	Seats (Total: 40) KEY 0126

HIST437 **Modern France from Napoleon to DeGaulle**

HIST437 Modern France from Napoleon to DeGaulle; (3 credits) Grade Method: REG/P-F/AUD.
The changing political and cultural values of French society in response to recurrent crises throughout the 19th and 20th centuries. Students should have had some previous survey of either Western civilization or European history.

0101	Piotr H Kosicki TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0103

HIST442 **Twentieth-Century Russia**

HIST442 Twentieth-Century Russia; (3 credits) Grade Method: REG/P-F/AUD.
Russia and the Soviet Union from the fall of the tsars to the post- communist present. Impact of Leninism, Stalinism, and Soviet Communism on state, society, culture, and nationality.

0101	Sarah Cameron MW 11:00am - 12:15pm	Seats (Total: 40) HBK 0103

HIST453 **Diplomatic History of the United States from 1914**

HIST453 Diplomatic History of the United States from 1914; (3 credits) Grade Method: REG/P-F/AUD.
American foreign relations in the 20th century. World War I, the Great Depression, World War II, the Cold War, the Korean War, and Vietnam. A continuation of HIST452.

0101	Colleen Woods TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

HIST455 **Constitutional History of the United States: Since 1865**

HIST455 Constitutional History of the United States: Since 1865; (3 credits)
Grade Method: REG/P-F/AUD.
American public law and government, with emphasis on the interaction of government, law, and politics, and the relationship between the constitution and social forces and influences, the way in which constitutional principles, rules, ideas, and institutions affect events and are in turn affected by events. Major crises in American government and politics such as Reconstruction,the rise of corporate power, civil liberties during wartime, the New Deal era, the civil disorders of the 1960s.

0101	Michael Ross	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0103

HIST461 **Blacks in American Life: 1865 to Present**

HIST461 Blacks in American Life: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST201, HIST210, HIST211, HIST222, HIST254, HIST255, or HIST275; or must have completed HIST157; or permission of instructor. The role of the Black in America since slavery, with emphasis on 20th-century developments: migration from farm to city; growth of the civil rights movement; the race question as a national problem.

0101	Instructor: TBA	Seats (Total: 40)
	MW 3:00pm - 4:15pm	KEY 0125

HIST469Q **Study Abroad Special Topics IV; History of Spain I: Up to the 20th Century**
Contact department for information to register for this course.

HIST473 **History of the Caribbean**

HIST473 History of the Caribbean; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST112, HIST113, HIST122, HIST123, HIST240, HIST250, or HIST251. Offers a concise introduction to the history of the Caribbean regions from the Columbian voyages to the 20th century. Special emphasis is given to the dynamics of local social and cultural formations within the framework of the political and economic history of the Atlantic world.

0101	David Sartorius	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	KEY 1117

HIST474 **History of Mexico and Central America I**

HIST474 History of Mexico and Central America I; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: LASC234, HIST251, or LASC235; or permission of instructor. History of Mexico and Central America, beginning with the pre-Spanish Indian cultures and continuing through European contact, conquest, and colonial dominance, down to the beginning of the Mexican War for Independence in 1810.

0101	Shari Orisich	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	EDU 2102

HIST483 **History of Japan Since 1800**

HIST483 History of Japan Since 1800; (3 credits) Grade Method: REG/P-F/AUD. Japan's renewed contact with the Western world and emergence as a modern state, industrial society, and world power, 1800-1931; and Japan's road to war, occupation, and recovery, 1931 to the present.

0101	Charles Lilley	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST493 **Victorian Women in England, France, and the United States**

HIST493 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as: WMST453. Credit only granted for: HIST493 or WMST453. Examines the lives of middle- and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards, and women's rights.

0101	Gay Gullickson	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KEY 2120

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	David Sartorius Tu 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 *(PermReq)* **The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.
For majors only.

0101	Marsha Rozenblit Contact instructor or department for details.	Seats (Total: 15)
0201	Elsa Barkley Brown Contact instructor or department for details.	Seats (Total: 6)

HIST608B **General Seminar; American History**

HIST608B *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	David Sicilia M 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST608C **General Seminar; Readings in European History**

HIST608C General Seminar: Readings in European History; (3 credits) Grade Method: REG/AUD.

0101	Donald Sutherland M 6:00pm - 8:30pm	Seats (Total: 12) TLF 2108

HIST608N **General Seminar; Global Interaction and Exchange**

HIST608N General Seminar: Global Interaction and Exchange; (3 credits) Grade Method: REG/AUD.

0101	Saverio Giovacchini W 6:00pm - 8:30pm	Seats (Total: 12) TLF 2103

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619E **Special Topics in History; Law & Society in Middle East History**

HIST619E Special Topics in History: Law & Society in Middle East History; (3 credits) Grade Method: REG/AUD.

0101	Madeline Zilfi Tu 2:00pm - 4:15pm	Seats (Total: 6) TLF 2103

HIST619G **Special Topics in History; Histories of Humanitarianism and Human Rights**

HIST619G Special Topics in History: Histories of Humanitarianism and Human Rights; (3 credits) Grade Method: REG/AUD.

0101	Sonya Michel Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

HIST619K **Special Topics in History; Sexualities in the Atlantic World and Beyond**

HIST619K Special Topics in History: Sexualities in the Atlantic World and Beyond; (3 credits) Grade Method: REG/AUD.

0101	Clare Lyons W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2101

HIST619M **Special Topics in History; Placing History: Learning to Research and Write a National Historic Landmark Nomination**

HIST619M Special Topics in History: Placing History: Learning to Research and Write a National Historic Landmark Nomination; (3 credits) Grade Method: REG/AUD.
Also offered ANTH688M. Credit granted for HIST619M or ANTH688M.

0101	Alexandra Lord Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103

HIST619Q **Special Topics in History; Readings in Military History**

HIST619Q Special Topics in History: Readings in Military History; (3 credits) Grade Method: REG/AUD.

0101	Jon Sumida W 6:00pm - 9:15pm	Seats (Total: 12) TLF 2100

HIST619W **Special Topics in History; Immigrant Life Stories: A Practicum in Oral History**

HIST619W Special Topics in History: Immigrant Life Stories: A Practicum in Oral History; (3 credits) Grade Method: REG/AUD.

0101	Thomas Castillo TuTh 3:30pm - 4:45pm Contact instructor or department for details.	Seats (Total: 5) KEY 0126

HIST639K **Special Topics in History; Islam in the Medieval Mediterranean**

HIST639K Special Topics in History: Islam in the Medieval Mediterranean; (3 credits) Grade Method: REG/AUD.

0101	Ahmet Karamustafa	Seats (Total: 12)
	W 3:30pm - 6:00pm	TLF 2103

HIST639M **Special Topics in History; History and Memory in Medieval Islam**

HIST639M Special Topics in History: History and Memory in Medieval Islam; (3 credits) Grade Method: REG/AUD.
Prerequisite: Previous course in Middle Eastern history.

0101	Antoine Borrut	Seats (Total: 3)
	M 2:00pm - 4:00pm Contact instructor or department for details.	TLF 2100

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST811 **Museum Scholarship Practicum**

HIST811 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: ANTH857, AMST857. Credit only granted for: ANTH 857, AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Instructor: TBA	Seats (Total: 2)
	Contact instructor or department for details.	

HIST819A **Special Topics in History: Independent Research**

HIST819A *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819F **Special Topics in History: Independent Research; Historical Writing: Argument, Interpretation, Clarity, Style**

HIST819F Special Topics in History: Independent Research: Historical Writing: Argument, Interpretation, Clarity, Style; (3 credits) Grade Method: REG/AUD.

0101	Ira Berlin	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	TLF 2108

HIST848 **Seminar in Modern European History**

HIST848 Seminar in Modern European History; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf	Seats (Total: 12)
	Tu 6:00pm - 8:30pm	TLF 2108

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Spring 2014

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen	Seats (Total: 30)
	W 4:00pm - 6:45pm	SPH 0308

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 Field Work in Aging; (1-6 credits) Grade Method: REG.

0101	Laura Wilson	Seats (Total: 1)
	Contact instructor or department for details.	

HLSA702 **Policy and Politics of Health**

HLSA702 Policy and Politics of Health; (3 credits) Grade Method: REG/AUD. Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

0101	Lori Simon-Rusinowitz	Seats (Total: 10)
	Th 1:00pm - 3:45pm	SPH 0301

HLSA709 **Current Topics in Health Services**

HLSA709 Current Topics in Health Services; (1 credit) Grade Method: REG/AUD.

0101	Lori Simon-Rusinowitz	Seats (Total: 20)
	F 12:00pm - 2:00pm	SPH 0301

HLSA711 **Health Economics and Analysis**

HLSA711 Health Economics and Analysis; (3 credits) Grade Method: REG/AUD. Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms. Also offeres as PUAF798G

0101	Jie Chen	Seats (Total: 25)
	Tu 1:00pm - 3:45pm	KEY 0124

HLSA740 **Healthcare Strategic Planning and Marketing**

HLSA740 Healthcare Strategic Planning and Marketing; (2 credits) Grade Method: REG/AUD.

Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. Provides an understanding of strategic management and marketing enabling the student to lead the process of strategic planning in a health care organization. By conducting a marketing and strategic planning process, health care organizations are better able to cope with dramatic changes in technological, social, political, regulatory, and competitive aspects of the health care market. Through course reading, class discussion, analyses of secondary quantitative and qualitative data, and presentation of case studies, students gain a thorough understanding of the process of strategic management.

0101	Christopher King Tu 7:00pm - 8:45pm	Seats (Total: 25) SPH 0303
PLH1	Christopher King Class time/details on ELMs *Restricted to students in PHPP or Z076 major only.*	Seats (Total: 25) ONLINE

HLSA772 **Healthcare Leadership and Communications**

HLSA772 Healthcare Leadership and Communications; (3 credits) Grade Method: REG/AUD.

Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

0101	Diane Dixon M 1:00pm - 3:45pm	Seats (Total: 25) SPH 1302

HLSA775 **Public Health Research**

HLSA775 Public Health Research; (3 credits) Grade Method: REG/AUD. *Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.* Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.

0101	Rada Dagher Tu 4:00pm - 6:45pm	Seats (Total: 20) JMZ 3205

HLSA785 **Internship in Public Health**

HLSA785 Internship in Public Health; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of SPHL-Health Services Administration department.* Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
0201	Rada Dagher Contact instructor or department for details.	Seats (Total: 10)
0301	Karoline Mortensen Contact instructor or department for details.	Seats (Total: 10)
0401	Laura Wilson Contact instructor or department for details.	Seats (Total: 10)
0501	Jie Chen Contact instructor or department for details.	Seats (Total: 10)
0601	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Health Services Administration department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA787 **Distrust, Race & Research: Overview of Minority Health and Disparities Research**

HLSA787 Distrust, Race & Research: Overview of Minority Health and Disparities Research; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. A critical analysis of historical, political, economic, social, cultural, and environmental conditions that have produced an inequitable health status for racial and ethnic minorities in the United States.

0101	Stephen Thomas	Seats (Total: 10)
	Tu 4:00pm - 6:45pm	SPH 0301

HLSA790 **Advanced Methods in Health Services Research**

HLSA790 Advanced Methods in Health Services Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651; or permission of instructor. Provides an in-depth examination of health services research literature with emphasis on methodological scrutiny and application of methods beyond linear regression such as categorical regression, survival analysis, selection issues, and endogeniety.

0101	Rada Dagher	Seats (Total: 6)
	Tu 11:00am - 2:00pm	ARC 1123

HLSA792 **Health Services Portfolio Seminar I**

HLSA792 Health Services Portfolio Seminar I; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor. Assists doctoral pre-candidates at the end of their coursework with completing the required research portfolio requirements.

0101	Karoline Mortensen	Seats (Total: 5)
	W 1:00pm - 3:45pm	Location: TBA

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSC Integrated Life Sciences Spring 2014

HLSC322 **Principles of Genetics and Genomics**

HLSC322 Principles of Genetics and Genomics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HLSC207. Restriction: Must be in a major in UGST-HCOL-Integrated Life Sciences Program. Credit only granted for: HLSC322 or BSCI222. Principles and mechanisms of heredity and gene expression, with a focus on the application of genomics to contemporary medicine, biotechnology, and societal issues.

0101	Raymond StLeger TuTh 11:00am - 12:15pm Tu 3:00pm - 4:50pm	Seats (Total: 25) CCC 1205 Location: TBA	Discussion
0102	Raymond StLeger TuTh 11:00am - 12:15pm W 3:00pm - 4:50pm	Seats (Total: 25) CCC 1205 LPA 1125	Discussion
0103	Raymond StLeger TuTh 11:00am - 12:15pm Th 3:00pm - 4:50pm	Seats (Total: 25) CCC 1205 Location: TBA	Discussion

HLSC377 **Research and Application in Life Sciences**

HLSC377 Research and Application in Life Sciences; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: HLSC207 and HLSC322. Restriction: Must be in the Integrated Life Sciences honors program.* A skills based course covering current research in the life sciences emphasizing novel approaches to complex real-word problems having a biological basis.

0101	Byrn Quimby TuTh 9:30am - 10:45am	Seats (Total: 30) LPA 0100
0102	Byrn Quimby TuTh 12:30pm - 1:45pm	Seats (Total: 30) LPA 0100

HLTH Health Spring 2014

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD. An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus. Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 125) CSI 1115

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Must not have completed HLTH105; and non-majors must have 45 or fewer credits. Credit only granted for: HLTH105 or HLTH130. Formerly: HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included. Attendence is expected on the first day of class. Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Donna Howard	Seats (Total: 125)
	TuTh 2:00pm - 3:15pm	SPH 1312

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/P-F/AUD.
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Sylvette La Touche-Howard	Seats (Total: 200)
	TuTh 9:30am - 10:45am	SPH 1312

HLTH200 **Introduction to Research in Community Health**

HLTH200 *(PermReq)* **Introduction to Research in Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of SPHL-Behavioral & Community Health department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Amelia Arria	Seats (Total: 150)
	MWF 2:00pm - 2:50pm	BPS 1250

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: Must have completed or be concurrently enrolled in HLTH130.
Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care. Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Robert Feldman	Seats (Total: 125)
	TuTh 3:30pm - 4:45pm	SPH 1312

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation. Restricted to majors or non-majors with less than or equal to 45 credits.

0101	Tracy Zeeger	Seats (Total: 100)
	TuTh 8:00am - 9:15am	SPH 1312

HLTH289 **Topical Investigations**

HLTH289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

HLTH300 Biostatistics for Public Health Practice; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: Must have completed or be concurrently enrolled in HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB300 or HLTH300. An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Dina Borzekowski TuTh 12:30pm - 1:45pm	Seats (Total: 200) SPH 1312
SG91	Raul Cruz-Cano M 9:00am - 11:50am *Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.*	Seats (Total: 30) Location: TBA
SG92	Raul Cruz-Cano M 2:00pm - 4:50pm *Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.*	Seats (Total: 30) Location: TBA

HLTH301 **Epidemiology for Public Health Practice**

HLTH301 *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH300 and HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB301 or HLTH301. An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Debra Bernat TuTh 9:30am - 10:45am	Seats (Total: 200) SKN 0200

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in a major within SPHL-Behavioral & Community Health department. The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Kenneth Beck TuTh 9:30am - 10:45am	Seats (Total: 100) SQH 1120
SG91	Chandria Jones Th 2:00pm - 4:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality. Restricted to students with greater than 60 credits.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
SG91	Robin Sawyer Class time/details on ELMs	Seats (Total: 103) ONLINE
	Restricted to all BMGT student at Shady Grove. may request enrollment o a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH389V **Topical Investigations; An International Perspective on Domestic and Sexual Violence**
Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: HLTH301. Restriction: Must be in Community Health program. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SPH 0305

0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0303
0301	Sylvette La Touche-Howard M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303
0401	Sylvette La Touche-Howard Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications. *Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH490.* The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 18) SPH 0305
0201	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 18) SPH 0301
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 18) SPH 0307
0401	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 18) SPH 0307
0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 18) SPH 0303

HLTH434 **Introduction to Public Health Informatics**

HLTH434 Introduction to Public Health Informatics; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: HLTH434 or HLTH498E. Formerly: HLTH498E. Provides an overview of the field of public health informatics and the influence of technology on the public's health and well-being. Emphasizes the application of various technologies and computer/internet applications to support public health research and practice, including strategies to address new and emerging threats. Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.

SG91	Sandra Saperstein	Seats (Total: 30)
	Th 9:30am - 12:20pm	Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

HLTH460 **Minority Health**

HLTH460 Minority Health; (3 credits) Grade Method: REG/P-F.
Prerequisite: HLTH140 or HLTH230; or permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.

0101	Mary Garza	Seats (Total: 40)
	W 4:00pm - 6:45pm	PLS 1119

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or must be in a major within ARHU-Women's Studies department. Also offered as: WMST471. Credit only granted for: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.

0101	Faika Zanjani MWF 9:00am - 9:50am	Seats (Total: 125) SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH420. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Sylvette La Touche-Howard MW 11:00am - 12:15pm	Seats (Total: 22) SPH 0303
0201	Tracy Zeeger MW 12:30pm - 1:45pm	Seats (Total: 22) SPH 0303
0301	Tracy Zeeger TuTh 12:30pm - 1:45pm	Seats (Total: 22) SPH 0305
0401	Tracy Zeeger TuTh 2:00pm - 3:15pm	Seats (Total: 22) SPH 0305
0501	Tracy Zeeger TuTh 11:00am - 12:15pm	Seats (Total: 22) SPH 0303

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.

Prerequisite: HLTH490. Restriction: Must be in Community Health program.

Integrating theory with practice in a community health setting. Class will meet on the following Wednesdays (January 29th, February 19th, April 9th, and May 7th) from 1pm-3:30pm in BPS 1243.

0101	Anne Anderson-Sawyer	Seats (Total: 110)
	W 1:00pm - 3:30pm	Location: TBA
	Contact instructor or department for details.	

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits)

Grade Method: REG/P-F/AUD.

For major only.

0101	Geoffrey Gilbert	Seats (Total: 30)
	M 3:00pm - 5:30pm	SPH 0107

HLTH498O **Special Topics in Health; Health Opinion Leaders**

Contact department for information to register for this course.

HLTH498P **Special Topics in Health; Peer Mentors**

Contact department for information to register for this course.

HLTH498R **Special Topics in Health; Community-Based Research**

HLTH498R Special Topics in Health: Community-Based Research; (3 credits)

Grade Method: REG/P-F/AUD.

0101	Cheryl Holt	Seats (Total: 10)
	Contact instructor or department for details.	

HLTH652 **Quantitative Research Methods I in Public health**

HLTH652 Quantitative Research Methods I in Public health; (3 credits) Grade Method: REG.
Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program. Credit only granted for: HLTH652 or HLTH688R. Formerly: HLTH688R. Intermediate statistics and procedures in public health-related research for doctoral students. Focuses on applied statistics rather than theoretical, with emphasis on 1) how to apply statistical models, 2) how to perform the analysis with avialable software, and 3) how to interpret findings.

0101	David King M 7:00pm - 9:45pm	Seats (Total: 15) SPH 0303

HLTH665 **Health Behavior I**

HLTH665 Health Behavior I; (3 credits) Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors. For CHED and PCHL majors only.

0101	Robert Feldman W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH671 **Public Health Communication**

HLTH671 Public Health Communication; (3 credits) Grade Method: REG/AUD.
Restriction: Non-SPH students must obtain permission from the instructor prior to registering. Credit only granted for: HLTH670 or HLTH671 and HLTH672. Formerly: HLTH670. An exploration of the the broad and diverse field of health communication including medical encounters, everyday communication about health, advertising, news, public health campaigns, community outreach, public policy, and international programs. Theories and applied efforts that have been studied and documented will be examined.

0101	Linda Aldoory Tu 4:00pm - 6:45pm	Seats (Total: 25) SPH 1302

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688R **Special Problems in Health Education; Community-Based Research**

HLTH688R Special Problems in Health Education: Community-Based Research; (3 credits) Grade Method: REG/AUD.

2701	Cheryl Holt	Seats (Total: 10)
	Contact instructor or department for details.	

HLTH774 **Community Health Program Planning**

HLTH774 Community Health Program Planning; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or permission of instructor. Credit only granted for: HLTH775 or HLTH774 and HLTH776. Formerly: HLTH775. An introduction to the development, planning, and administration of community health programs. The overall goal of this course is to develop a program and conceptualize the implementation of the intervention.

0101	James Butler	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 1303

HLTH780 **Community Health**

HLTH780 Community Health; (3 credits) Grade Method: REG/AUD.
Credit only granted for: HLTH740 or HLTH780. Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs. For CHED and PCHL majors only.

0101	Sharon Desmond	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 1301

HLTH785 **Internship in Public Health**

HLTH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG. *Prerequisite: HLTH665, HLTH775, and HLTH780; or permission of SPHL-Behavioral & Community Health department.* Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals. Class meets on the following Mondays; January 27th, March 10th, and May 5th.

0101	Anne Anderson-Sawyer	Seats (Total: 15)
	Meets January 27, 2014 - May 5, 2014	
	M 7:00pm - 9:00pm	SPH 2387F
	Contact instructor or department for details.	

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Spring 2014

HONR208L **Honors Seminar; Justice Matters: Law, Literature, and Film**

HONR208L Honors Seminar: Justice Matters: Law, Literature, and Film; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Sara Schotland	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CHM 0119

HONR208M **Honors Seminar: Utopia and Dystopia: Reality and Relevance**

HONR208M Honors Seminar: Utopia and Dystopia: Reality and Relevance; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Sara Schotland	Seats (Total: 20)
	Th 2:00pm - 4:30pm	BPS 0283

HONR208N **Honors Seminar; Global Migrations: The Literature of Emigration**

HONR208N Honors Seminar: Global Migrations: The Literature of Emigration; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Credit granted for HONR208N or ENGL289Z.

0101	Jason Rudy	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TWS 3132

HONR208P **Honors Seminar; Tolkien: Mythmaker for our Times**

HONR208P Honors Seminar: Tolkien: Mythmaker for our Times; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Michelle Butler TuTh 12:30pm - 1:45pm	Seats (Total: 20) PLS 1162

HONR208V **Honors Seminar; The Ancient Roman City: Pompeii and Beyond**

HONR208V Honors Seminar: The Ancient Roman City: Pompeii and Beyond; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities.

0101	Robert Vann TuTh 9:30am - 10:45am	Seats (Total: 20) ARC 1121

HONR209G **Honors Seminar; Elements of Drawing for Non-Majors**

HONR209G Honors Seminar: Elements of Drawing for Non-Majors; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315

HONR209Q **Honors Seminar; Digital Narratives: A Studio Workshop**

HONR209Q Honors Seminar: Digital Narratives: A Studio Workshop; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Hasan Elahi MW 9:00am - 11:30am	Seats (Total: 12) ASY 3311E

HONR218D **Honors Seminar; Life, The Universe, and Everything**

HONR218D Honors Seminar: Life, The Universe, and Everything; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences.

0101	Michael Miller M 2:00pm - 4:30pm	Seats (Total: 20) CSS 0201

HONR218G **Honors Seminar; Comparative Constitutional Law**

HONR218G Honors Seminar: Comparative Constitutional Law; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Karol Soltan TuTh 11:00am - 12:15pm	Seats (Total: 10) LEF 1201

HONR218I **Honors Seminar; Happiness and Human Nature**

HONR218I Honors Seminar: Happiness and Human Nature; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Susan Dwyer TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0120

HONR218J **Honors Seminar; Sustainability and Development: From the Individual to the Global**

HONR218J Honors Seminar: Sustainability and Development: From the Individual to the Global; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3252

HONR218K **Honors Seminar; Behavior of the Rich and Powerful, Past and Present**

HONR218K Honors Seminar: Behavior of the Rich and Powerful, Past and Present; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	Joseph Falvo MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2117

HONR218M **Honors Seminar: Elements of Music Composition for Non-Majors**

HONR218M Honors Seminar: Elements of Music Composition for Non-Majors; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	William Evans Tu 3:30pm - 6:00pm	Seats (Total: 16) PAC 1108

HONR218O **Honors Seminar; Ethics in a Professional Life**

HONR218O Honors Seminar: Ethics in a Professional Life; (3 credits) Grade Method: REG.

0101	Philip DeShong TuTh 3:30pm - 4:45pm	Seats (Total: 20) EGR 3102

HONR218Q **Honors Seminar; Code for Community Challenge**

HONR218Q Honors Seminar: Code for Community Challenge; (1 credit) Grade Method: REG/P-F/AUD.

0101	Matthew Aruch Th 5:30pm - 7:00pm	Seats (Total: 10) CCC 1100

HONR218W **The Idea of Crime**

HONR218W The Idea of Crime; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	John Laub Th 2:00pm - 4:30pm	Seats (Total: 20) LEF 2165E

HONR219D **On Beyond Dinosaurs: Patterns and Enigmas in Vertebrate Evolution**

HONR219D On Beyond Dinosaurs: Patterns and Enigmas in Vertebrate Evolution; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	John Merck TuTh 11:00am - 12:15pm	Seats (Total: 20) EGR 3114

HONR219T **Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards**

HONR219T Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Lewis Link M 2:00pm - 4:30pm	Seats (Total: 20) HBK 1108

HONR219Y **Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self**

HONR219Y Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Allan Wigfield TuTh 2:00pm - 3:15pm	Seats (Total: 20) EDU 3236

HONR219Z **Honors Seminar; Apocalypse Then and Now: World Traditions of the End Times**

HONR219Z Honors Seminar: Apocalypse Then and Now: World Traditions of the End Times; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) LPA 0124
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) LPA 0124

HONR228V **Honors Seminar; Warfare and Society in Greece, Rome, and Byzantium**

HONR228V Honors Seminar: Warfare and Society in Greece, Rome, and Byzantium; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Denis Sullivan TuTh 3:30pm - 4:45pm	Seats (Total: 20) TWS 0201

HONR229O **Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations**

HONR229O Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Judith Hallett TuTh 3:00pm - 4:40pm	Seats (Total: 20) WDS 1127

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

0101	Korey Rothman Tu 2:00pm - 4:30pm	Seats (Total: 20) LEF 1221

HONR238B **Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film**

HONR238B Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0103

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

0101	Korey Rothman MW 1:00pm - 2:15pm	Seats (Total: 20) MMH 0108
0201	Korey Rothman MW 3:00pm - 4:15pm	Seats (Total: 20) MMH 0108

HONR238K **Honors Seminar; Infectious Ideas: Health and Disease in Modern America**

HONR238K Honors Seminar: Infectious Ideas: Health and Disease in Modern America; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Chantel Rodriguez	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TLF 1103

HONR238N **Honors Seminar; Public Health and Contemporary Health Issues: "Saving Lives Millions at a Time"**

HONR238N Honors Seminar: Public Health and Contemporary Health Issues: "Saving Lives Millions at a Time"; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Kerry Green	Seats (Total: 20)
	W 1:00pm - 3:45pm	SPH 1302

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

0101	Edwin Smead	Seats (Total: 20)
	M 4:00pm - 6:30pm	KEY 0120

HONR239J **Honors Seminar; Exposing Scandals: The History of Investigative Journalism in the U.S.**

HONR239J Honors Seminar: Exposing Scandals: The History of Investigative Journalism in the U.S.; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Mark Feldstein	Seats (Total: 20)
	M 2:00pm - 4:30pm	KNI 3200

HONR239K **Honors Seminar; The Multicultural Metropolis**

HONR239K Honors Seminar: The Multicultural Metropolis; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Willow Lung Amam	Seats (Total: 20)
	W 2:00pm - 4:30pm	SQH 1103

HONR239O **Honors Seminar; Great Physicists of the 20th Century**

HONR239O Honors Seminar: Great Physicists of the 20th Century; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Phillip Schewe	Seats (Total: 20)
	TuTh 10:00am - 11:15am	PHY 4102

HONR239R **Honors Seminar; Privacy Versus In-Your-Face Big Government**

HONR239R Honors Seminar: Privacy Versus In-Your-Face Big Government; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. lso offered as HACS208G. Credit granted for HONR239R or HACS208G.

0101	James Purtilo	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CSI 3120

HONR248T **Honors Seminar: Re-examining the Harlem Renaissance**

HONR248T Honors Seminar: Re-examining the Harlem Renaissance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

0101	Renee Ater	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ASY 3217

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR259L **Honors Seminar; Thinking Strategically**

HONR259L Honors Seminar: Thinking Strategically; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.

0101	Robert Schwab	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EDU 1121

HONR259P **Jane Austen: Her World, Our Obsession**

HONR259P Jane Austen: Her World, Our Obsession; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Ingrid Satelmajer TuTh 2:00pm - 3:15pm	Seats (Total: 20) KEY 0119

HONR268W **Honors Seminar; Disability Studies: Stories, Law, and Social Policy**

HONR268W Honors Seminar: Disability Studies: Stories, Law, and Social Policy; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.

0101	Sara Schotland Tu 2:00pm - 4:30pm	Seats (Total: 20) PLS 1158

HONR269E **Honors Seminar; Exploring Key Issues of Globalization**

HONR269E Honors Seminar: Exploring Key Issues of Globalization; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3252

HONR269T **Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan**

HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Temim Nusraty Th 6:30pm - 9:00pm	Seats (Total: 20) ANA 0120

HONR269W **Honors Seminar; Urban Poverty and Culture**

HONR269W Honors Seminar: Urban Poverty and Culture; (3 credits) Grade Method: REG.

0101	Odis Johnson W 4:00pm - 6:30pm	Seats (Total: 20) TLF 1103

HONR278D **Honors Seminar; National Security Dilemmas**

HONR278D Honors Seminar: National Security Dilemmas; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Also offered as HACS208N. Credit granted for HONR278D or HACS208N.

0101	Daniel Rosenthal Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR278E **Honors Seminar; The Internet, Democracy, and Dictatorship**

HONR278E Honors Seminar: The Internet, Democracy, and Dictatorship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Sarah Oates TuTh 11:00am - 12:15pm	Seats (Total: 20) KNI 1103

HONR278K **Honors Seminar; Evolutionary Processes in Health and Medicine**

HONR278K Honors Seminar: Evolutionary Processes in Health and Medicine; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	Charles Delwiche TuTh 3:30pm - 4:45pm	Seats (Total: 20) HBK 1112

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Glenn Rahmoeller TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1180

HONR288M **Honors Seminar; Boomtowns: Technological Innovations in the Context of Community**

HONR288M Honors Seminar: Boomtowns: Technological Innovations in the Context of Community; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Sheryl Ehrman	Seats (Total: 20)
	W 3:00pm - 5:30pm	HBK 0103

HONR288P **Honors Seminar; Why Do Things Burn?**

HONR288P Honors Seminar: Why Do Things Burn?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
To register for this class, you must not be an Engineering major.

0101	Marino diMarzo	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMP 3106B

HONR288Q **Honors Seminar; The Psychology of Social Networking and Social Computing**

HONR288Q Honors Seminar: The Psychology of Social Networking and Social Computing; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Kent Norman	Seats (Total: 20)
	MW 2:30pm - 3:45pm	PLS 1129

HONR289D **Honors Seminar; Bodies, Borders and Citizenship: Historical Perspectives on American Immigration**

HONR289D Honors Seminar: Bodies, Borders and Citizenship: Historical Perspectives on American Immigration; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Sonya Michel	Seats (Total: 20)
	W 3:00pm - 5:30pm	WDS 1130

HONR289F **Honors Seminar; Conflict in America**

HONR289F Honors Seminar: Conflict in America; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Edwin Smead	Seats (Total: 20)
	W 4:00pm - 6:30pm	KEY 0120

HONR289I **Honors Seminar: Greening Cities: Who Wins, Who Loses and Who Cares?**

HONR289I Honors Seminar: Greening Cities: Who Wins, Who Loses and Who Cares?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Formerly offered as PLSC289I/PLSC289H. Credit only granted for HONR289I, PLSC289I, or PLSC289H. Marla McIntosh, Professor and Distinguished-Scholar Teacher, Department of Plant Science and LandscapeArchitecture.

0101	Marla McIntosh	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1168

HONR289L **Honors Seminar; Biofuels: Fact or Fiction?**

HONR289L Honors Seminar: Biofuels: Fact or Fiction?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	Steven Hutcheson	Seats (Total: 20)
	M 4:00pm - 6:30pm	PLS 1162

HONR289P **Honors Seminar; How Do Innovators Think?**

HONR289P Honors Seminar: How Do Innovators Think?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Credit will be granted for only one of the following: BMGT289B or HONR289P. Evening guest speakers 6pm-930pm on 2/6, 2/20, 3/6, 4/3, 4/17,and 5/1. Daytime meetings will be held every week.

0101	Mark Wellman	Seats (Total: 20)
	Th 2:00pm - 3:25pm	VMH 2509
	Th 6:30pm - 9:15pm	VMH 1212

HONR289Y **Novels and Who We Are**

HONR289Y Novels and Who We Are; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Sylvia O'Sullivan TuTh 11:00am - 12:15pm	Seats (Total: 20) ANA 0103	

HONR299J **Honors Seminar; Prions in Human Health and Disease**

HONR299J Honors Seminar: Prions in Human Health and Disease; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Sciences.
Click here for more course information.

0101	Marco Colombini TuTh 9:30am - 10:45am	Seats (Total: 20) PLS 1164	

HONR348D **Advanced Honors Seminar; Innovation and Social Change: Do Good Now**

HONR348D Advanced Honors Seminar: Innovation and Social Change: Do Good Now; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Also offered as BSOS388B and PUAF388D. Credit will be granted for BSOS388B, HONR348D or PUAF388D.

0101	William Dorland MW 1:00pm - 1:50pm W 5:00pm - 5:50pm	Seats (Total: 20) TYD 1101 TYD 1101	 Discussion
0201	Dorith Grant-Wisdom MW 1:00pm - 1:50pm W 5:00pm - 5:50pm	Seats (Total: 10) TYD 2108 TYD 2108	 Discussion
0301	William Dorland MW 1:00pm - 1:50pm W 5:00pm - 5:50pm	Seats (Total: 10) KEY 0116 KEY 0116	 Discussion

HONR348F **Advanced Honors Seminar; Deconstructing Breaking Bad**

HONR348F Advanced Honors Seminar: Deconstructing Breaking Bad; (3 credits) Grade Method: REG.
HONR348F will meet in the Anne Arundel multi-purpose room.

0101	William Lawson	Seats (Total: 20)
	M 5:00pm - 8:00pm	Location: TBA

HONR348M **Advanced Honors Seminar; Stock Market**

HONR348M Advanced Honors Seminar: Stock Market; (3 credits) Grade Method: REG.
Restricted to students with fewer than 90 credits.

0101	Eric Wish, David McCandlish	Seats (Total: 20)
	Th 2:00pm - 4:50pm	ANA 0120

HONR349I **Honors Colloquium; Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy**

HONR349I Honors Colloquium: Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Noah Drezner	Seats (Total: 25)
	Th 2:00pm - 4:30pm	ARM 0110

HONR349J **Honors Colloquium; Reading and Writing Poetry**

HONR349J *(PermReq)* **Honors Colloquium: Reading and Writing Poetry; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Humanities.
Please contact the Honors department (honors@umd.edu) with a writing sample to be considered for permission to register for this class.

0101	Stanley Plumly	Seats (Total: 12)
	Tu 2:00pm - 4:30pm	TWS 0205

HONR349P **Honors Colloquium; Sports Media Today**

HONR349P Honors Colloquium: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chartese Burnett Th 6:15pm - 9:15pm	Seats (Total: 5) KNI 3202

HONR349V **Honors Colloquium; Dubai: Global Immersion Experience**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy M 2:30pm - 5:00pm	Seats (Total: 20) LPA 0124
0201	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) LPA 0124

HONR359C **Honors Workshop; Big History: Earth, Life, and Sustainability**

HONR359C Honors Workshop: Big History: Earth, Life, and Sustainability; (1 credit) Grade Method: S-F.

0101	Raghu Murtugudde Tu 11:00am - 12:00pm	Seats (Total: 20) PLS 1172

HONR359D **Honors Workshop; Honors Teaching Assistanship**

HONR359D Honors Workshop: Honors Teaching Assistanship; (2 credits) Grade Method: S-F.

0101	Ingrid Satelmajer Contact instructor or department for details.	Seats (Total: 0)

HONR359X **Honors Workshop**
Contact department for information to register for this course.

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

HONR379W **Honors Independent Study; Writing Internship: Maryland General Assembly Pre-Professional Writing Internship**

HONR379W *(PermReq)* **Honors Independent Study: Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.
Also offered as ENGL388M.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

HONR379Z **Honors Independent Study; Further Implications of Knowledge**
Contact department for information to register for this course.

HONR388 **Honors Thesis or Project**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Spring 2014

INAG101 **Computer Applications**

INAG101 Computer Applications; (3 credits) Grade Method: REG/AUD.

0101	Roy Walls	Seats (Total: 20)
	MW 10:00am - 11:50am	ANS 0509

INAG104 **Agricultural Mathematics**

INAG104 Agricultural Mathematics; (3 credits) Grade Method: REG/AUD.

0101	Jason Entsminger MWF 12:00pm - 12:50pm	Seats (Total: 20) JUL 1123	

INAG105 **Soils and Fertilizers**

INAG105 Soils and Fertilizers; (3 credits) Grade Method: REG.

0101	Kenneth Ingram MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 25) JUL 1123 JUL 1111	 Lab

INAG106 **Pesticide Use and Safety**

INAG106 Pesticide Use and Safety; (2 credits) Grade Method: REG.

0101	Ronald Myers W 3:00pm - 4:50pm	Seats (Total: 50) JUL 1123

INAG110 **Oral Communication**

INAG110 Oral Communication; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285. A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Nina Latassa MWF 9:00am - 9:50am	Seats (Total: 22) JUL 1105
0201	Edward Priola MWF 1:00pm - 1:50pm	Seats (Total: 22) JMP 2202
0301	Anthony Pagnotti MWF 10:00am - 10:50am	Seats (Total: 22) MTH 1311
0401	Nina Latassa MWF 10:00am - 10:50am	Seats (Total: 22) JUL 1105

0501	Edward Priola MWF 2:00pm - 2:50pm	Seats (Total: 22) JMP 2202
0601	Anthony Pagnotti MWF 1:00pm - 1:50pm	Seats (Total: 22) PLS 1176
0701	Nina Latassa TuTh 9:30am - 10:45am	Seats (Total: 22) JMP 1202
0801	Anthony Pagnotti TuTh 9:30am - 10:45am	Seats (Total: 22) JMP 2202
0901	Edward Priola TuTh 11:00am - 12:15pm	Seats (Total: 22) CHE 2145
1001	Nina Latassa TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMP 1109
1101	Anthony Pagnotti TuTh 11:00am - 12:15pm	Seats (Total: 22) HBK 0105
1201	Edward Priola TuTh 12:30pm - 1:45pm	Seats (Total: 22) CHE 2145
1301	Anthony Pagnotti MWF 11:00am - 11:50am	Seats (Total: 22) SYM 0209
1401	Edward Priola TuTh 3:30pm - 4:45pm	Seats (Total: 22) SYM 0209
1501	Nina Latassa Th 6:00pm - 9:00pm	Seats (Total: 22) JUL 1123

INAG114 **Plant Propagation**

INAG114 Plant Propagation; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Ingram TuTh 9:00am - 10:50am	Seats (Total: 25) JUL 1111

INAG199 **Special Problems**

INAG199 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Justin Mathias Contact instructor or department for details.	Seats (Total: 5)
0201	Jason Entsminger Contact instructor or department for details.	Seats (Total: 5)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 5)
0401	Roy Walls Contact instructor or department for details.	Seats (Total: 5)
0501	Meredith Epstein Contact instructor or department for details.	Seats (Total: 5)
0601	Glori Hyman Contact instructor or department for details.	Seats (Total: 5)

INAG204 **Business Management**

INAG204 Business Management; (3 credits) Grade Method: REG.

0101	Jason Entsminger TuTh 11:00am - 12:15pm	Seats (Total: 30) JUL 1123

INAG205 **Analyzing Alternative Enterprises**

INAG205 Analyzing Alternative Enterprises; (3 credits) Grade Method: REG/AUD.

0101	Meredith Epstein TuTh 12:30pm - 1:45pm	Seats (Total: 20) JUL 1105

INAG206 **Business Law**

INAG206 Business Law; (3 credits) Grade Method: REG/AUD.

0101	Glori Hyman, Michael Grady W 5:30pm - 8:30pm	Seats (Total: 30) JUL 1123

INAG207 **Power Machinery**

INAG207 Power Machinery; (3 credits) Grade Method: REG.

0101	Roy Walls	Seats (Total: 14)	
	TuTh 9:30am - 10:45am	ANS 0504	
	M 3:00pm - 4:50pm	ANS 0504	Lab

INAG215 **Business Management Principles for Turf Facilities**

INAG215 Business Management Principles for Turf Facilities; (3 credits) Grade Method: REG/AUD.
Recommended: INAG107; or PLSC305. Restriction: Must be in a major within the AGNR-Institute of Applied Agriculture department; or must be in one of the following programs (Plant Sciences; Plant Sciences: Horticulture & Crop Production; Plant Sciences: Landscape Management; Plant Sciences: Plant Science; Plant Sciences: Turf & Golf Course Mgmt) ; or permission of AGNR-Institute of Applied Agriculture department. Additional information: Enrollment priority is given to students majoring in Turfgrass and Golf Course Management in the Institute of Applied Agriculture and Plant Science and Landscape Architecture. An advanced course in turfgrass management with emphasis on development of maintenance operating budgets for labor, fertilization, pest control, and supplemental cultural practices for golf courses and athletic field facilities. An overview of the current trend in golf course design and construction and in athletic field construction practices will be covered. Students will be responsible for a presentation concerning some phase of turfgrass management relating to golf course or athletic field operations.

0101	Justin Mathias	Seats (Total: 20)	
	MW 2:00pm - 2:50pm	JUL 1123	
	Th 3:00pm - 4:50pm	JUL 1123	Lab

INAG244 **Herbaceous Annuals and Perennials**

INAG244 Herbaceous Annuals and Perennials; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for PLSC244, PLSC489A, or INAG244. Formerly: PLSC 489A.

0101	Kenneth Ingram	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	JUL 1123	
	Th 2:00pm - 2:50pm	JUL 1123	Lab

INAG248 **Topics in Sustainable Agriculture**

INAG248 Topics in Sustainable Agriculture; (1 credit) Grade Method: REG/P-F/AUD.

0101	Meredith Epstein	Seats (Total: 20)
	Tu 6:00pm - 7:50pm	JUL 1123

INAG299A **Supervised Work Experience; Internship I**

INAG299A Supervised Work Experience: Internship I; (1 credit) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**

INAG299B Supervised Work Experience: Internship II; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM Information Management Spring 2014

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Katy Lawley	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0108

0201	Jessica Vitak Tu 2:00pm - 4:45pm	Seats (Total: 30) SPH 0307

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Restriction: Must not have completed LBSC690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Instructor: TBA Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 0115
SG01	Jimmy Lin W 6:00pm - 8:45pm	Seats (Total: 30) BLD3 2203

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Vera Rhoads W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0108

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Taverekere Srikantaiah Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Taverekere Srikantaiah Class time/details on ELMs	Seats (Total: 25) ONLINE

INFM620 **Introduction to Strategic Information Management**

INFM620 Introduction to Strategic Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM612; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

0101	Vikas Sahasrabudhe Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 1112

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603; or permission of instructor. Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Paul Jacobs W 6:00pm - 8:45pm	Seats (Total: 25) PLS 1115

INFM718X **Selected Topics in Information Management**

INFM718X Selected Topics in Information Management; (1-3 credits) Grade Method: REG/AUD.

0101	Jason Baron Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115

INFM718Z **Selected Topics in Information Management; Managing Information, Technology and Innovation in Organizations**

INFM718Z Selected Topics in Information Management: Managing Information, Technology and Innovation in Organizations; (3 credits) Grade Method: REG/AUD.

0101	Ping Wang M 5:30pm - 8:15pm	Seats (Total: 25) HBK 0109

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM737 **Information Management Capstone Experience**

INFM737 Information Management Capstone Experience; (3 credits) Grade Method: S-F.
Prerequisite: INFM736; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Additional information: Taken near the end of student's program. In-depth problem analysis and resolution. Capstone project.

0101	Susan Winter W 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

INFM799 **Master's Thesis Research**

INFM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0301	Brian Butler Contact instructor or department for details.	Seats (Total: 5)
1101	Paul Jaeger Contact instructor or department for details.	Seats (Total: 5)
1301	Jennifer Golbeck Contact instructor or department for details.	Seats (Total: 5)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 3)

4101	Jon Froehlich Contact instructor or department for details.	Seats (Total: 3)
4301	Ben Bederson Contact instructor or department for details.	Seats (Total: 5)

INST Information Studies Spring 2014

INST607 **E-Government: Information, Communication, and Policy**

INST607 E-Government: Information, Communication, and Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM718E, INST607, or LBSC708E. Formerly: INFM718E and LBSC708E. Use of the Internet and other technologies by governments to provide information, communication, and services. Social, policy, and technological impacts on access and use, government-citizen interactions, digital divides. Roles of cultural institutions in supporting e-government access. Social media, collaborative, and enterepreneurial uses of e-government.

ML01	John Bertot Class time/details on ELMs *Restricted to E-Government students only.*	Seats (Total: 20) ONLINE

INST612 **Information Policy**

INST612 Information Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: INST612 or LBSC625. Formerly: LBSC625. Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

0101	Miriam Nisbet W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109
ML01	John Shuler Class time/details on ELMs *Restricted to LBSO Students only.*	Seats (Total: 30) ONLINE

INST614 **Information Literacy, Inclusion, and the Public Good**

INST614 Information Literacy, Inclusion, and the Public Good; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. The educational and psychological dimensions of helping and supporting new users to become information literate and experienced users to remain engaged.

0101	Paul Jaeger	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	HBK 0109

INST621 **Managing Information Technology Innovations in Organizations**

INST621 Managing Information Technology Innovations in Organizations; (3 credits) Grade Method: REG.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM718Z, INST621. Formerly: INFM 718Z. Students will learn the main theoretical perspectives on managing IT innovations, become familiar with current best practices of innovating with IT, and develop innovation skills in various organizational settings such as project teams, functional departments, organizations, communities, and society at large.

0101	Ping Wang	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	MMH 0108

INST631 **Fundamentals of Human-Computer Interaction**

INST631 Fundamentals of Human-Computer Interaction; (3 credits) Grade Method: REG/AUD.
Prerequisite: INST630; or programming experience; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST631 or LBSC795. Formerly: LBSC795. Principles of human-human and machine-machine communication as a basis for models of human-computer communication. Issues related in input/ output devices, conceptual models, levels of control, metaphor and personification, adaptability, and intensionality/extensionality.

0101	Leah Findlater	Seats (Total: 30)
	W 5:30pm - 8:15pm	HBK 0105

INST641 **Policy Issues in Digital Curation**

INST641 Policy Issues in Digital Curation; (3 credits) Grade Method: REG. *Prerequisite: INST640; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.* Discussion of strategies to address intellectual property, privacy, security and other policy concerns raised by the curation of digital records and data.

0101	Katie Shilton	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 1112

INST660 **21st Century Leadership**

INST660 21st Century Leadership; (3 credits) Grade Method: REG/AUD. *Recommended: INFM612 or LBSC635. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST660, LBSC708F or INFM718F.* Using a combination of research, literature and current practice, the course explores topics basic to the understanding and practice of leadership.

ML01	Ann Prentice	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Restricted to LBSO student only.	

INST701 **Introduction to Research Methods**

INST701 Introduction to Research Methods; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC701, INFM718M or INST701. Formerly: LBSC701, INFM718M.* Techniques and strategies of research as applied to the definition, investigation, and evaluation of information problems. Qualitative, quantitative, and mixed methods of research design methods are considered from the aspects of implementation, analysis, and interpretation.

0101	Beth St Jean	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0115

INST706 **Project Management**

INST706 Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 INFM706. Formerly: INFM706. Management of projects through planning and execution of life cycle phases. Includes estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, tracking, control and other aspects of successful project completion.

SG01	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 25) ONLINE

INST709 **Independent Study**

INST709 Independent Study; (1-3 credits) Grade Method: REG/AUD.

4801	Kent Norman Contact instructor or department for details.	Seats (Total: 3)

INST714 **Information for Decision-Making**

INST714 Information for Decision-Making; (3 credits) Grade Method: REG/AUD.
Credit only granted for: INFM718A, INST714 or LBSC705. Formerly: INFM718A and LBSC705. The use of information in organizational and individual decision-making. Managers' behavior in using information, differences between the private and public sectors, and the roles of information professionals and information systems in decision-making.

0101	Susan Winter Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105
SG01	Brian Butler M 6:00pm - 8:45pm	Seats (Total: 30) BLD3 2203

INST728C **Special Topics in Information Studies; Computational Linguistics II**

INST728C Special Topics in Information Studies: Computational Linguistics II; (3 credits) Grade Method: REG/AUD.

0101	Philip Resnik W 1:30pm - 4:00pm	Seats (Total: 30) WDS 0104

INST728G **Special Topics in Information Studies; Individualized Teaching Experience**

INST728G Special Topics in Information Studies: Individualized Teaching Experience; (3 credits) Grade Method: REG/AUD.

0101	Paul Jaeger	Seats (Total: 5)
	Contact instructor or department for details.	

INST728K **Special Topics in Information Studies; Consumer Health Informatics**

INST728K Special Topics in Information Studies: Consumer Health Informatics; (1-3 credits) Grade Method: REG/AUD.

0101	Beth St Jean	Seats (Total: 15)
	Th 6:00pm - 8:45pm	HBK 4113

INST728O **Special Topics in Information Studies; Type and Design**

INST728O Special Topics in Information Studies: Type and Design; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Marin	Seats (Total: 30)
	Th 6:00pm - 8:45pm	HBK 0109

INST733 **Database Design**

INST733 Database Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC690; and permission of INFO-College of Information Studies. Credit only granted for: INST733 or LBSC793. Formerly: LBSC793. Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).

SG01	Vedat Diker	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	BLD3 4203

INST734 **Information Retrieval Systems**

INST734 Information Retrieval Systems; (3 credits) Grade Method: REG/AUD. *Prerequisite: LBSC671 or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST734 or LBSC796. Formerly: LBSC796.* Principles of organizing and providing access to information using automated information storage and retrieval systems. Retrieval systems models, index language selection, data structure, user interfaces, and evaluation for text and multimedia applications.

0101	Jiaul Paik	Seats (Total: 30)
	W 2:00pm - 4:45pm	KEY 0116

INST737 **Digging Into Data**

INST737 Digging Into Data; (3 credits) Grade Method: REG/AUD. *Prerequisite: LBSC690, LBSC671, or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.* An exploration of some of the best and most general approaches to get the most information out of data through clustering, classification, and regression techniques.

0101	Jordan Boyd-Graber	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 0105

INST742 **Implementing the Curation and Management of Digital Assets**

INST742 Implementing the Curation and Management of Digital Assets; (3 credits) Grade Method: REG. *Prerequisite: INST640; or permission of instructor. Restriction: Election of the Digital Curation Specialization; and permission of INFO-College of Information Studies.* Management of and technology for application of digital curation principles in specific settings. Characteristics, representation, conversion, and preservation of digital objects. Application of standards for digitization, description, and preservation. Planning for sustainability, risk mitigation and disaster recovery.

0101	Robert Spangler	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	HBK 2119

INST776 **HCIM CAPSTONE PROJECT**

INST776 HCIM CAPSTONE PROJECT; (3 credits) Grade Method: REG. *Prerequisite: INST775; or permission of instructor. Restriction: Must be taken in the semester immediately following completion of INST775 HCIM Capstone Prep; and permission of INFO-College of Information Studies.* The opportunity to apply the skills learned through coursework in a semester-long project applied to a real -world problem. Capstone projects may follow the design, prototyping and evaluation process from end-to-end or may focus on a subset of elements in that process, such as formative study and design.

0101	Marshini Chetty Th 2:00pm - 4:45pm	Seats (Total: 25) HBK 2119

INST799 **Master's Thesis Research**

INST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

1301	Jennifer Golbeck Contact instructor or department for details.	Seats (Total: 4)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
2201	Leah Findlater Contact instructor or department for details.	Seats (Total: 3)
4301	Ben Bederson Contact instructor or department for details.	Seats (Total: 3)

INST809 **Individualized Teaching Experience**

INST809 Individualized Teaching Experience; (3-5 credits) Grade Method: REG/AUD.

0101	Jennifer Preece Contact instructor or department for details.	Seats (Total: 5)
1501	Beth St Jean Contact instructor or department for details.	Seats (Total: 5)
1701	John Bertot Contact instructor or department for details.	Seats (Total: 4)

2701	Mega Subramaniam Contact instructor or department for details.	Seats (Total: 3)

INST810 **Individual Research Experience**

INST810 Individual Research Experience; (3 credits) Grade Method: REG/AUD. *Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.* Pre-candidacy individual research experience directed by a faculty member.

0101	Jennifer Preece Contact instructor or department for details.	Seats (Total: 5)
0201	Jimmy Lin Contact instructor or department for details.	Seats (Total: 5)
0301	Brian Butler Contact instructor or department for details.	Seats (Total: 5)
0701	Jordan Boyd-Graber Contact instructor or department for details.	Seats (Total: 4)
1301	Jennifer Golbeck Contact instructor or department for details.	Seats (Total: 5)
2401	Jessica Vitak Contact instructor or department for details.	Seats (Total: 4)
2701	Mega Subramaniam Contact instructor or department for details.	Seats (Total: 4)

INST888 **Doctoral Seminar**

INST888 Doctoral Seminar; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Golbeck M 2:00pm - 4:45pm	Seats (Total: 25) HBK 4113

INST898 **Pre-Candidacy Research**

INST898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

INST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ISRL Israel Studies Spring 2014

ISRL249C **Selected Topics in Israel Studies; Contemporary Israel**
Contact department for information to register for this course.

ISRL249D **Selected Topics in Israel Studies; Women in Israel**
Contact department for information to register for this course.

ISRL249E **Selected Topics in Israel Studies; Writing Israel**
Contact department for information to register for this course.

ISRL349A **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**
Contact department for information to register for this course.

ISRL349B **Investigating Topics in Israel Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

ISRL349K **Investigating Topics in Israel Studies; Theories of Immigration: Israel as a Case Study**

ISRL349K Investigating Topics in Israel Studies: Theories of Immigration: Israel as a Case Study; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SOCY398I. Credit will be granted for one of the following: ISRL349K or SOCY398I.

0101	Pnina Peri	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1107

ISRL349O **Investigating Topics in Israel Studies; Minorities in the State of Israel**

ISRL349O Investigating Topics in Israel Studies: Minorities in the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT368E and JWST319O. Credit granted for GVPT368E, ISRL349O or JWST319O. An examination of the history and role of religious and ethnic minorities in the State of Israel, including Mizrahi Jews, Arabs, Russians, Ethiopians, Muslims, Christians, and Druze.

0101	Joseph Ringel	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1119

ISRL349P **Investigating Topics in Israel Studies; The Jews of the Islamic World from the times of Muhammad until Today**

ISRL349P Investigating Topics in Israel Studies: The Jews of the Islamic World from the times of Muhammad until Today; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST319P and HIST319P. Credit granted for ISRL349P (Spring 2014), ISRL449R, JWST429A, HIST428W (Spring 2013), or HIST319P. Exploration of the history of Jewish-Muslim relations from the time of Muhammad until today.

0101	Joseph Ringel	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1119

ISRL349Q **Investigating Topics in Israel Studies; Imagining the Other in Israeli Culture**

ISRL349Q Investigating Topics in Israel Studies: Imagining the Other in Israeli Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as JWST319Q, CMLT398B, and HEBR498Q. Credit granted for following ISRL349Q, JWST319Q, CMLT398B, or HEBR498Q. Jews of Eastern European origins have dominated the cultural climate of contemporary Israel. Through an exploration of fiction, poetry, memoirs, and selected criticism, we will explore the ways in which the "other," is imagined in Israeli culture.

0101	Sheila Jelen	Seats (Total: 20)
	MW 12:30pm - 1:45pm	TWS 3132

ISRL349V **Investigating Topics in Israel Studies; The Arab-Israeli Conflict Through Film**

ISRL349V Investigating Topics in Israel Studies: The Arab-Israeli Conflict Through Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: FILM335. Credit only granted for: SLLC335, FILM335, HEBR298B, ISRL249B, or ISRL349V.

0101	Valerie Anishchenkova, Eric Zakim	Seats (Total: 25)
	M 10:00am - 10:50am	SQH 1121
	W 10:00am - 11:50am	SQH 1121

ISRL359A **Israel Studies Global Classroom; Conflicts and Challenges in Israel 1948-1967**

ISRL359A Israel Studies Global Classroom: Conflicts and Challenges in Israel 1948-1967; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST329Z. Taught (in English) from Tel Aviv University by Professor Anat Stern using distance learning technology to students in Israel and UMD. Israel's early years (1948-1967), including wars, mass immigration, and economic hardship; emphasizing how Israel's varied cultural and ethnic groups shaped its collective identity. Click here for more course information.

0101	Paul Scham	Seats (Total: 20)
	M 9:15am - 12:45pm	HBK 0109

ISRL369C **Special Topics in Study Abroad; Israeli Society in Israeli Cinema**
Contact department for information to register for this course.

ISRL369I **Special Topics in Study Abroad; Socio-Economic, Political, Religious, and Ethnic Conflicts in Israel, and the Search For Common Ground**
Contact department for information to register for this course.

ISRL448A **Seminar in Israel Studies; Israel Politics and Society**

ISRL448A Seminar in Israel Studies: Israel Politics and Society; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT399G. Credit will be granted for GVPT399G or ISRL448A. An exploration of the nature of the Israeli political system: including constitutional structure, the multi-party system, the Knesset, electoral behavior, role of the military and media in the public sphere, and with a special emphasis on the role of leadership in Israel's history. Some previous knowledge of Israeli politics desirable.

0101	Yoram Peri	Seats (Total: 25)
	MW 3:30pm - 4:45pm	TYD 2108
	An exploration of the nature of the Israeli political system: including constitutional structure, the multi-party system, the Knesset, electoral behavior, role of the military and media in the public sphere, and with a special emphasis on the role of leadership in Israels history. Some previous knowledge of Israeli politics desirable.	

ISRL448D **Seminar in Israel Studies; Dividing Palestine? A Simulation of Jewish-Arab Negotiations**

ISRL448D Seminar in Israel Studies: Dividing Palestine? A Simulation of Jewish-Arab Negotiations; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428V. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leaders of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

0101	Paul Scham	Seats (Total: 21)
	TuTh 3:30pm - 4:45pm	SQH 1123

ISRL448R **Seminar in Israel Studies; Introduction to Human Rights in Israel**

ISRL448R Seminar in Israel Studies: Introduction to Human Rights in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT368D. Credit granted for GVPT368D or ISRL448R. An overview of the status of human rights in Israel today and how Israel's legal system deals with them. Issues examined include rights of the Arab minority (including the Bedouin), women's rights, and those of Palestinians in the West Bank, as well as challenges that face human rights NGOs.

0101	Instructor: TBA	Seats (Total: 25)
	Tu 7:00pm - 9:30pm	SQH 1107

ISRL449W **Advanced Topics in Israel Studies; Women and Gender in Israel**

ISRL449W Advanced Topics in Israel Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as WMST498G.

0101	Pnina Peri	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1107

ISRL618E **Graduate Seminar in Israel Studies; Dividing Palestine? A Simulation of Jewish-Arab Negotiations**

ISRL618E Graduate Seminar in Israel Studies: Dividing Palestine? A Simulation of Jewish-Arab Negotiations; (3 credits) Grade Method: REG/AUD.
Contact department or instructor for details. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leaders of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

0101	Paul Scham	Seats (Total: 5)
	Contact instructor or department for details.	

ISRL618F **Graduate Seminar in Israel Studies; Conflicts and Challanges in Israel 1948-1967**

ISRL618F Graduate Seminar in Israel Studies: Conflicts and Challanges in Israel 1948-1967; (3 credits) Grade Method: REG/AUD.
Taught (in English) from Tel Aviv University by Professor Anat Stern using distance learning technology to students in Israel and UMD. Israel's early years (1948-1967), including wars, mass immigration, and economic hardship; emphasizing how Israel's varied cultural and ethnic groups shaped its collective identity.

0101	Paul Scham	Seats (Total: 5)
	M 9:15am - 12:45pm	HBK 0109

ISRL618Q **Graduate Seminar in Israel Studies; Imagining the Other in Israeli Culture**

ISRL618Q Graduate Seminar in Israel Studies: Imagining the Other in Israeli Culture; (3 credits) Grade Method: REG/AUD.

0101	Sheila Jelen MW 12:30pm - 1:45pm	Seats (Total: 5) TWS 3132

ITAL Italian Spring 2014

ITAL103 **Intensive Elementary Italian**

Students with no experience in the language are invited to register for ITAL103. **ITAL103 Intensive Elementary Italian; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 15) JMZ 2122 TWS 1105
0201	Margherita Morando Tu 1:00pm - 1:50pm MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1124 JMZ 1215
0301	Maria Fleri MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 15) PLS 1168 PLS 1168
0401	Maria Fleri MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 15) PLS 1146 PLS 1168

ITAL121 **Accelerated Italian I**
Contact department for information to register for this course.

ITAL122 **Accelerated Italian II**
Contact department for information to register for this course.

ITAL122H **Accelerated Italian II**
Contact department for information to register for this course.

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**
Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**
Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 15) JMZ 2125 TWS 1105
0201	Margherita Morando MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 15) JMZ 1215 JMZ 1215
0301	Maria Fleri MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2207 JMZ 1224

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Margherita Morando MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1215

ITAL207 **Reading and Writing in Italian**

ITAL207 Reading and Writing in Italian; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian. Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

0101	Stefania Amodeo	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 1122

ITAL261 **Cuisine, Culture, and Society in Italy Yesterday and Today**

ITAL261 Cuisine, Culture, and Society in Italy Yesterday and Today; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL204; or permission of ARHU-School of Languages, Literatures, and Cultures department. Exposes students to an important aspect of Italian culture: the art of gastronomy. Provides an in-depth understanding of the close relationship between food and culture, while enriching their knowledge of the Italian language through reading and analysis of various texts which deal with the preparation and adaptation of Italian food in different cultural settings. Taught in Italian.

0101	Stefania Amodeo	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 2125

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**
Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**
Contact department for information to register for this course.

ITAL301 **Italian Composition**
Contact department for information to register for this course.

ITAL311 **Advanced Oral Expression: Current Events**

ITAL311 Advanced Oral Expression: Current Events; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Oral expression; development of idiomatic forms and vocabulary to level of the Italian press.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 1117

ITAL362 **Survey of Italian Society and Culture: From the 1980s to thePresent Day**
Contact department for information to register for this course.

ITAL369W **Special Topics in Study Abroad III; Composition and Style**
Contact department for information to register for this course.

ITAL386 **Experiential Learning**

ITAL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 *(PermReq)* **Directed Study in Italian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL399R **Directed Study in Italian; Directed Readings in Italian**

ITAL399R Directed Study in Italian: Directed Readings in Italian; (3 credits) Grade Method: REG/P-F/AUD.

0101	Margherita Morando	Seats (Total: 5)
	MWF 3:00pm - 3:50pm	JMZ 2120

ITAL401 **Advanced Composition and Style**

ITAL401 Advanced Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL301; or students who have taken courses with comparable content may contact the department. Advanced writing practice in range of genres.

0101	Margherita Morando	Seats (Total: 20)
	MW 2:00pm - 2:50pm	JMZ 1215
	F 2:00pm - 2:50pm	JMZ 3203

ITAL421 **The Italian Renaissance**

ITAL421 The Italian Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ITAL421 or ITAL422. A study of major trends of thought in Renaissance literature, art, and science. Taught in English.

0101	Joseph Falvo	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 3120

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL475 **The Italian Opera Libretto in English**

ITAL475 The Italian Opera Libretto in English; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed one course in literature. Credit only granted for: ITAL475 or ITAL476. History and analysis of Italian opera librettos from Monteverdi through Mozart to Verdi and Puccini. Taught in English. Also offered as MUSC448L. Credit will be granted for ITAL475 or MUSC448 L.

0101	Federica Deigan	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 2122

ITAL478L **Colloquium in Italian; The Italian Opera Libretto**

ITAL478L Colloquium in Italian: The Italian Opera Libretto; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL475-0101.

0101	Federica Deigan	Seats (Total: 10)
	W 11:00am - 11:50am	TWS 1105

ITAL478R **Colloquium in Italian; The Italian Renaissance**

ITAL478R Colloquium in Italian: The Italian Renaissance; (1 credit) Grade Method: REG/P-F/AUD.
This colloquium correlates with ITAL421-0101.

0101	Joseph Falvo	Seats (Total: 10)
	W 10:00am - 10:50am	JMZ 2123

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: 4 courses from ITAL400-499 course range; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 *(PermReq)* **Special Topics in Italian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JAPN Japanese Spring 2014

JAPN102 **Elementary Japanese II**

JAPN102 Elementary Japanese II; (6 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN101; or appropriate Foreign Language Placement Test (FLPT) score. Continued introduction to the basic spoken patterns of contemporary Japanese.

0101	Kumiko Akikawa MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1117 JMZ 2117
0201	Kumiko Akikawa MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1120 JMZ 1226
0301	Carlos Pimentel MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1120 JMZ 2125

JAPN202 **Intermediate Japanese II**

JAPN202 Intermediate Japanese II; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: Minimum grade of C- in JAPN201; or appropriate Foreign Language Placement Test (FLPT) score. Contemporary spoken and written Japanese.

0101	Makiko Inoue MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1103
0201	Makiko Inoue MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1103

JAPN302 **Advanced Japanese II**

JAPN302 Advanced Japanese II; (6 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN301; or permission of instructor. Continued readings in varied modern texts and advanced conversation and oral comprehension.

0101	Etsuko Yamakita MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1226

0201	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3118

JAPN315 **Reading Japanese Empire**

JAPN315 Reading Japanese Empire; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Reading a wide variety of cultural, intellectual, and official texts, this course explores how Japan's age of empire (1869-1945) was understood, imagined, and lived in various colonial contexts and in the metropolitan center. Students will gain a textured understanding of the complexities and contradictions of Japan's imperial project and the fraught ways this history plays out today in Japan and Asia. Taught in English.

0101	Michele Mason TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 1101

JAPN386 **Experiential Learning**

JAPN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

JAPN401 **Readings in Modern Japanese Literature**

JAPN401 Readings in Modern Japanese Literature; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN302; or permission of instructor.
Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn primarily from modern literature.

0101	Satoko Naito TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3203

JAPN407 **The Art of Translation**

JAPN407 The Art of Translation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JAPN401; or students who have taken courses with comparable content may contact the department. Theory and practice of translation. Variety of genres. Japanese to English.

0101	Michele Mason	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 2125

JAPN414 **Masterpieces of Classical Japanese Literature in Translation**

JAPN414 Masterpieces of Classical Japanese Literature in Translation; (3 credits) Grade Method: REG.
Major classics, with focus on philosophical, historical and cultural backgrounds. Taught in English.

0101	Satoko Naito	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMZ 2206

JAPN421 **History of the Japanese Language**

JAPN421 History of the Japanese Language; (3 credits) Grade Method: REG.
Prerequisite: JAPN201; or permission of ARHU-School of Languages, Literatures, and Cultures department. Investigation of the origin of the Japanese language, its relationship with other languages, and its development. Taught in English, but presumes knowledge of Kanji (Chinese characters).

0101	Samuel Ramsey	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2123

JAPN498P **Special Topics in Japanese Studies; Introduction to Japanese Syntax**

JAPN498P Special Topics in Japanese Studies: Introduction to Japanese Syntax; (3 credits) Grade Method: REG.
Prerequisite JAPN301. Taught in English.

0101	Carlos Pimentel	Seats (Total: 20)
	MW 2:00pm - 3:15pm	HBK 0123

JAPN499 **Directed Study in Japanese**

JAPN499 *(PermReq)* **Directed Study in Japanese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Spring 2014

JOUR106 **Introduction to Studio Production**

JOUR106 Introduction to Studio Production; (1 credit) Grade Method: REG/P-F/AUD.
Additional information: Course does not count toward a Journalism degree. Students will participate in various production roles to assist in the production of UMTV shows.

0101	Manny Fantis **Meets January 27, 2014 - March 14, 2014** M 7:00pm - 8:40pm	Seats (Total: 14) TWS 0117
0201	Manny Fantis **Meets March 24, 2014 - May 13, 2014** M 7:00pm - 8:40pm	Seats (Total: 14) TWS 0117

JOUR130 **Self-Presentation in the Age of YouTube**

JOUR130 Self-Presentation in the Age of YouTube; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285. Additional information: May not count toward the Journalism major.
Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube.

0101	Renee Poussaint TuTh 3:30pm - 4:45pm	Seats (Total: 22) KNI 1103

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.

Additional information: Not applicable toward journalism major. An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) BRB 1101 TYD 0111	Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) BRB 1101 ASY 3221	Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) BRB 1101 KEY 0119	Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 ARM 0103	Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 KEY 0124	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 KNI 3202	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 KNI 3202	Discussion

0801	Susan Moeller Tu 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 25) BRB 1101 BPS 1238	 Discussion

JOUR181 **Grammar for Journalists**

JOUR181 Grammar for Journalists; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: ENGL181, ENGL281, or JOUR181.* An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism.

0101	Linda Coleman W 3:30pm - 4:30pm	Seats (Total: 144) JMZ 0220

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F. Prerequisite: permission of department. Repeatable to 6 credits if content differs. Formerly JOUR 198. Students must meet with the Internship Director in KNI 1100 to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 35)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 Journalism History, Roles and Structures; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology.

0101	Andrew Nynka TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1105
0201	Andrew Nynka TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103

0301	Carl Stepp MW 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103
0501	Soo-Kwang Oh TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1208

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite. For students intending to be journalism majors.

0101	Kelly Brewington MW 10:00am - 11:50am	Seats (Total: 18) KNI 2103
0201	Tamara Cooke Henry TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Steven Overly MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 1101
0401	Daniel Jacobs TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103
0501	Jessica Milcetich MW 5:00pm - 6:50pm	Seats (Total: 18) KNI 2103
0601	Karen Denny MW 2:00pm - 3:50pm	Seats (Total: 18) KNI 2107
0801	Tamara Cooke Henry MW 2:00pm - 3:50pm	Seats (Total: 18) KNI 2103

0901	James Baxter TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 1101
1001	Karen Denny MW 4:00pm - 5:50pm	Seats (Total: 18) KNI 2107

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed or be concurrently enrolled in JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Copy editing, graphic principles and processes, new media technology.

0101	Sharon O'Malley TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2105
0201	Sharon O'Malley TuTh 4:00pm - 5:50pm	Seats (Total: 18) KNI 1101
0301	Sharon O'Malley TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 1101

JOUR203 **Introduction to Multimedia Skills**

JOUR203 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G. Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Madeline Marshall M 4:00pm - 6:45pm	Seats (Total: 18) KNI 2105
0301	Timothy Jacobsen F 10:00am - 12:45pm	Seats (Total: 18) KNI 2103

0401	Jonathan Sham W 12:00pm - 2:45pm	Seats (Total: 18) KNI 1101

JOUR262 **Broadcast Studio and Field Production**

JOUR262 *(PermReq)* **Broadcast Studio and Field Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603. Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0101	Charles MacDonald TuTh 7:00pm - 8:50pm	Seats (Total: 12) KNI 3210
0201	Albert Calogero MW 7:30pm - 9:20pm	Seats (Total: 12) KNI 3210
0301	Bethany Swain MW 10:00am - 11:50am	Seats (Total: 12) KNI 1101
0401	Kevin Johnson TuTh 7:30pm - 9:20pm	Seats (Total: 12) KNI 1101
0501	Sean Filburn MW 10:00am - 11:50am	Seats (Total: 12) KNI 2105
0601	Bethany Swain MW 8:00am - 9:50am	Seats (Total: 12) KNI 1101

JOUR289F **Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics**

JOUR289F Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Examining the rise of social media and their impact on culture, business, government, politics, journalism and society, this course provides students with a broad contextual understanding of the multidisciplinary impacts of social media such as Twitter, Facebook and similar Internet-based services.

0101	Leslie Walker MW 2:00pm - 3:15pm	Seats (Total: 60) KNI 1208

JOUR289J **Probing War: Investigative Narratives and American Conflicts**

JOUR289J Probing War: Investigative Narratives and American Conflicts; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Deborah Nelson, Christopher Hanson, William Beecher MW 11:00am - 12:15pm	Seats (Total: 70) KNI 1208

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG. *Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Examination of ethical problems in news writing and reporting.

0101	Elia Powers TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 3202
0201	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 30) KNI 1103
0301	Diana Huffman TuTh 11:00am - 12:15pm	Seats (Total: 30) KNI 1105

JOUR320 **News Writing and Reporting II: Multiplatform**

JOUR320 *(PermReq)* **News Writing and Reporting II: Multiplatform; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly. Due to rigorous publication requirement, students should time manage their semester accordingly.

0101	Karen Denny MW 10:00am - 11:50am	Seats (Total: 18) KNI 2107
0201	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107
0401	David Lightman TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 1101

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Formerly: JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 1206

JOUR325 **Capital News Service Bureau**

JOUR325 *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201.

0101	Rafael Lorente Contact instructor or department for details.	Seats (Total: 10)
0201	Jacoba Incollingo Contact instructor or department for details.	Seats (Total: 10)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR627. Credit only granted for: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

0101	Sandra Banisky	Seats (Total: 5)
	M 1:00pm - 3:45pm	Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite JOUR320. Department permission required.

0101	Kevin Blackistone	Seats (Total: 15)
	MW 10:00am - 11:15am	KNI 1206

JOUR328E **Special Topics in News Writing and Reporting; Science, Health and Environment Journalism**

JOUR328E *(PermReq)* **Special Topics in News Writing and Reporting: Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of instructor.

0101	David Kohn	Seats (Total: 10)
	Tu 6:00pm - 8:45pm	KNI 1109

JOUR328I **Special Topics in News Writing and Reporting; Advanced Public Affairs Reporting/Investigative Reporting**

JOUR328I *(PermReq)* **Special Topics in News Writing and Reporting: Advanced Public Affairs Reporting/Investigative Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320; and permission of instructor. Students will investigate crumbling cities - urban sinkholes, falling bridges, exploding gas lines- and work in teams to produce multimedia stories for publication/broadcast.

0101	Deborah Nelson	Seats (Total: 6)
	M 1:00pm - 3:45pm	KNI 3207

JOUR328L **Special Topics in News Writing and Reporting; The Religion Angle**

JOUR328L *(PermReq)* **Special Topics in News Writing and Reporting: The Religion Angle; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of instructor. Religious beliefs permeate human culture, making it imperative for journalists-regardless of their subject matter-to consider faith angles if they are to more fully understand the complexity of personal, social and political interactions. The globalization of media has only enhanced the need. Students will learn how to spot and sensitively handle religion in a journalistic context.

0101	Ira Rifkin	Seats (Total: 12)
	W 3:00pm - 5:45pm	KNI 1206

JOUR328X **Special Topics in News Writing and Reporting; Beyond Breaking News: In-Depth Reporting**

JOUR328X *(PermReq)* **Special Topics in News Writing and Reporting: Beyond Breaking News: In-Depth Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
JOUR320. Permission of JOUR-Philip Merrill College of Journalism Students will report and write profiles, analyses, narratives and other story forms to provide readers with clear, comprehensive and engaging news coverage that provides context for- and deepens our understanding of- events and issues in the news.

0101	Sandra Banisky	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	KNI 1206

JOUR350 **Multimedia Presentation**

JOUR350 *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR202; or minimum grade of C- in JOUR262. Credit only granted for: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	George Lanum	Seats (Total: 18)
	TuTh 12:00pm - 1:50pm	KNI 1101

0201	George Lanum MW 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103

JOUR352 **Intermediate Multimedia Journalism**

JOUR352 *(PermReq)* **Intermediate Multimedia Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 or JOUR202. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Instructor: TBA Tu 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0201	Alexander Pyles F 10:00am - 12:45pm	Seats (Total: 18) KNI 1101
0301	Jacqueline Zajac M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2103
0401	Mark Smith M 7:00pm - 9:45pm	Seats (Total: 18) KNI 2105
0501	Mary Nahorniak W 7:00pm - 9:45pm	Seats (Total: 18) KNI 2103

JOUR353 **News Bureau: Multimedia Reporting**

JOUR353 *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360). Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Contact instructor to obtain permission.

0101	Sean Mussenden Contact instructor or department for details. *This section is for College Park Students.*	Seats (Total: 6)

0201	Jacoba Incollingo Contact instructor or department for details. *This section is for Annapolis students.*	Seats (Total: 6)
0301	Rafael Lorente Contact instructor or department for details. *This section is for Washington DC students.*	Seats (Total: 6)

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Corey Kliewer M 7:00pm - 9:45pm	Seats (Total: 5) KNI 3207

JOUR355 **News Bureau: Multimedia Editing and Production**

JOUR355 *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR202 or JOUR262; and (JOUR320 or JOUR360); and JOUR352; and permission of JOUR-Philip Merrill College of Journalism. Advanced online journalism training. Students work as multimedia editors and producers, building interactive content and special reports. Contact instructor to obtain permission.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 5)

JOUR356 **Kaiser Health Multimedia Reporting**

JOUR356 *(PermReq)* **Kaiser Health Multimedia Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR203; and (JOUR320 or JOUR360); and permission of instructor. Opportunities are provided for advanced reporting and writing on health topics, using traditional and multimedia storytelling tools.

0101	Christine Harvey F 11:00am - 1:45pm	Seats (Total: 9) KNI 3207

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Writing and reporting for broadcast media: production of news stories.

0101	Renee Poussaint TuTh 12:45pm - 2:00pm	Seats (Total: 18) KNI 2103
0201	Cassandra Clayton MW 12:00pm - 1:15pm	Seats (Total: 18) KNI 2105
0401	Mary Burns TuTh 12:00pm - 1:15pm	Seats (Total: 18) KNI 2107

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Students will spend several hours per week on field assignments, in addition to scheduled class sessions.

0301	Joshua Davidsburg MW 12:00pm - 1:50pm	Seats (Total: 10) KNI 2107
0401	Joshua Davidsburg MW 2:00pm - 3:50pm	Seats (Total: 9) KNI 2105
0501	Joshua Davidsburg TuTh 10:00am - 11:50am	Seats (Total: 10) KNI 2103
0601	Christopher Shlemon, John DeDakis TuTh 5:00pm - 6:50pm	Seats (Total: 9) KNI 2107

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360; and must have completed or be concurrently enrolled in JOUR361. Producing TV news.

0102	Cindy Wright Tu 7:00pm - 9:00pm Tu 2:00pm - 7:00pm	Seats (Total: 2) KNI 3207 TWS 0117	 Lab
0103	Cindy Wright Tu 7:00pm - 9:00pm W 2:00pm - 7:00pm	Seats (Total: 2) KNI 3207 TWS 0117	 Lab

JOUR363 **Long Form Broadcast Journalism**

JOUR363 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR663. Credit only granted for: JOUR363, JOUR486 or JOUR663. Formerly: JOUR486. Production of long form broadcast news reporting, reality videos or documentaries.

0101	Cassandra Clayton M 3:45pm - 6:30pm	Seats (Total: 7) KNI 3207

JOUR364 **Radio Broadcasting**

JOUR364 *(PermReq)* **Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR364 or JOUR368R. Formerly: JOUR368R. Students receive hands-on training in applying what they have learned about news reporting to the preparation of stories for, and the production of, a weekly radio program.

0101	Jamie Forzato Th 12:30pm - 3:15pm	Seats (Total: 12) KNI 3207

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.
Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Susan Katcef	Seats (Total: 10)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262, JOUR360 and JOUR361 or permission of department.

0101	David Owens	Seats (Total: 12)
	M 10:00am - 12:45pm	KNI 2109

JOUR368M **Topics in Broadcast and Electronic Media; Multimedia Mobile Journalism**

JOUR368M *(PermReq)* **Topics in Broadcast and Electronic Media: Multimedia Mobile Journalism; (3 credits)** Grade Method: REG.
Prerequisites: JOUR203; JOUR320 or JOUR360. permission of JOUR-Philip Merril College of Journalism. In many ways, multimedia content is collected, presented and consumed differently than content presented on web sites. This class focuses exclusively on these processes by exploring the best apps and the best practices for today's mobile journalist.

0101	Ronald Yaros	Seats (Total: 16)
	W 1:00pm - 3:45pm	KNI 3200

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Students are required to rent or purchase a digital camera. Contact department for camera specifications. Prerequisite: JOUR360. Also open to students who have completed JOUR320.

0101	John Davidson TuTh 3:30pm - 4:45pm	Seats (Total: 12) KNI 2103
0201	John Davidson TuTh 5:00pm - 6:15pm	Seats (Total: 12) KNI 2103

JOUR368V **Topics in Broadcast and Electronic Media; Advanced Video Storytelling**

JOUR368V *(PermReq)* **Topics in Broadcast and Electronic Media: Advanced Video Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

0101	Bethany Swain M 1:00pm - 3:45pm	Seats (Total: 7) KNI 1101

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles.

0201	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 18) KNI 1206

JOUR381 **Media Industry Reporting**

JOUR381 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR681. Credit only granted for: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for an award-winning professional magazine, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 6) KNI 3207

0201	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 6) KNI 3210

JOUR389B **News Coverage of Special Topics; Broadcasting the Games: Covering Sports in Action**

JOUR389B *(PermReq)* **News Coverage of Special Topics: Broadcasting the Games: Covering Sports in Action; (3 credits)** Grade Method: REG. Prerequisite: JOUR262 and JOUR360; or permission of department.

0101	Louis Holder Th 6:30pm - 9:15pm	Seats (Total: 12) KNI 2105

JOUR396 **Supervised Internship**

JOUR396 *(PermReq)* **Supervised Internship; (2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396. Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.

Contact department for information to register for this course.

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship; Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship: Supervised Internship; (1 credit)** Grade Method: REG.
Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 75)

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320, JOUR360, or JOUR501. Restriction: Junior standing or higher. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

0101	Diana Huffman TuTh 2:00pm - 3:15pm	Seats (Total: 38) KNI 1208
0201	Deborah Nelson MW 5:00pm - 6:15pm	Seats (Total: 40) KNI 1208

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Junior standing or higher. Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0201	Kelly Stepno Th 9:00am - 11:45am	Seats (Total: 15) KNI 3200

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Also offered as: WMST452. Credit only granted for: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	KNI 1208

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.

0101	Anne Rosen	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	KNI 1105

JOUR455 **Media Entrepreneurship**

JOUR455 Media Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: JOUR459E or JOUR455. Formerly: JOUR459E. Basic business and entrepreneurship concepts will be covered and will explore how technology is transforming the business of media. Students develop and pitch ideas for media businesses, learn startup basics, do exercises in Internet advertising and business plan analysis, use social networks and other digital communication tools, and perform other hands-on exercises in business development and presentation.

PCJ1	David Cross	Seats (Total: 15)
	Sa 1:30pm - 5:15pm	KNI 1101
	The class is open to students in the graduate multimedia certificate program. It meets 12 times in the spring, beginning Feb. 1 and ending May 10. No class on March 22 (spring break), April 5 or April 19.	

JOUR456 **Literature in Journalism**

JOUR456 Literature in Journalism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as: JOUR673. Credit only granted for: JOUR456 or JOUR673. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

0101	Miranda Kennedy	Seats (Total: 18)
	MW 6:00pm - 7:15pm	KNI 1206

JOUR458B **Special Topics in Journalism; Sports Media Today**

JOUR458B Special Topics in Journalism: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.
Students will discuss working with various organizations' communications/media relations staff, coaches and players; distributing news of the organizations; and creating/maintaining methods for disseminating that news to the public in an honest and forthright manner. Also, traditional, digital and social media elements will be explored. Restriction: Junior Standing or higher.

0101	Chartese Burnett	Seats (Total: 27)
	Th 6:15pm - 9:00pm	KNI 3202

JOUR458N **Special Topics in Journalism; News of Scandal**

JOUR458N Special Topics in Journalism: News of Scandal; (3 credits) Grade Method: REG/P-F/AUD.
This course deals with how journalists have, do, and should cover news of scandals, and why do journalists cover scandals? Students will look at historical and contemporary cases of scandal in the news media itself , as well as in sports, religion, politics, and the military. Restriction: Junior Standing or higher.

0101	Linda Steiner	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 3200

JOUR459B **Special Topics in Journalism; European Mass Media**
Contact department for information to register for this course.

JOUR459F **Special Topics in Journalism; Media in War and Crisis**
Contact department for information to register for this course.

JOUR459G **Special Topics in Journalism; Sports, Society, Culture and the Media**

JOUR459G Special Topics in Journalism: Sports, Society, Culture and the Media; (3 credits) Grade Method: REG.
Restriction: Junior Standing or higher.

0101	Beth Mechum, George Solomon	Seats (Total: 15)
	M 12:00pm - 2:45pm	KNI 1206

JOUR459K **Special Topics in Journalism; Global Media and International Journalism in the 21st Century**
Contact department for information to register for this course.

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Adrianne Flynn	Seats (Total: 10)
	M 10:00am - 12:45pm	KNI 3200

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed a university statistics course. Credit only granted for: JOUR470 or JOUR477. Formerly: JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller	Seats (Total: 18)
	TuTh 12:30pm - 1:45pm	KNI 2105

JOUR479E **Special Topics in Data Gathering and Analysis; Reporting on the Economy**

JOUR479E *(PermReq)* **Special Topics in Data Gathering and Analysis: Reporting on the Economy; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed a university statistics course. Designed for journalism and non-journalism undergraduate students, will examine the U.S. economy works and how to find new in business, market and government data sources.

0101	Rob Wells	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 2107

JOUR479G **Special Topics in Data Gathering and Analysis; Historiography of Broadcasting**

JOUR479G *(PermReq)* **Special Topics in Data Gathering and Analysis: Historiography of Broadcasting; (3 credits)** Grade Method: REG.

0101	James Baxter	Seats (Total: 18)
	Tu 12:30pm - 1:45pm	KNI 3202
	Th 12:30pm - 1:45pm	HBK 3210

JOUR479M **Special Topics in Data Gathering and Analysis; Understanding Social Media Use in Journalism**

JOUR479M *(PermReq)* **Special Topics in Data Gathering and Analysis: Understanding Social Media Use in Journalism; (3 credits)** Grade Method: REG.
Prerequisite: A university statistics course. Students will examine how social media, key "influencers," and crowd sourcing play a role in journalism. They study research methods appropriate for understanding this intersection of social media and news, and they will explore the application of social media tools to maximize the reach and impact of news reporting

0101	Instructor: TBA	Seats (Total: 18)
	W 4:15pm - 7:00pm	KNI 2105

JOUR479O **Special Topics in Data Gathering and Analysis; Understanding Audiences**

JOUR479O *(PermReq)* **Special Topics in Data Gathering and Analysis: Understanding Audiences; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed a university statistics course. As journalism evolves, it may be more improtant than ever to understand what were once simply called "audiences"- who they are, how they consume news, and what that engagement means for them and for society. Students will learn to think critically about news audiences and contemporary issues in audience research.

0101	Soo-Kwang Oh	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 2105

JOUR480 **Capstone Colloquium: The Business of News**

JOUR480 *(PermReq)* **Capstone Colloquium: The Business of News; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and junior standing or higher; and permission of JOUR-Philip Merrill College of Journalism.
Students will learn the basic news business concepts and examine how revenue and cost structures for media businesses are evolving in new directions. Topics include basic principles and concepts that drive media businesses in the Internet age, including revenue sources, dynamics of online advertising and subscriptions, mobile media strategies, user metrics, engaging audiences, and market dynamics.

0101	Leslie Walker	Seats (Total: 74)
	Meets January 27, 2014 - March 15, 2014	
	M 6:30pm - 8:10pm	KNI 1208

JOUR532 **Humphrey Seminar II**

JOUR532 *(PermReq)* **Humphrey Seminar II; (2 credits)** Grade Method: REG.
Introduction to professional development, networking opportunities and practical experiences as a foreign journalist.

0101	Serap Rada	Seats (Total: 12)
	F 10:00am - 1:00pm	KNI 1109

JOUR620 **Public Affairs Reporting**

JOUR620 *(PermReq)* **Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism. Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

0101	Carl Stepp	Seats (Total: 18)
	M 10:00am - 11:50am	KNI 3207
	W 10:00am - 11:50am	KNI 3207

JOUR623 **Mobile Journalism**

JOUR623 Mobile Journalism; (3 credits) Grade Method: REG/AUD.
Prerequisite: Students must have basic computer skills. Credit only granted for: JOUR689M or JOUR623. Formerly: JOUR689M. A review of several mobile applications and the "hands-on" skills needed to collect and share news in the field. First, students learn how to remotely post information to blogs and social networks. Students then learn and practice the latest location-based production techniques using web services on wireless laptops and mobile devices. Students use laptops (and their own "SmartPhone") to record, edit and upload audio and video.

PCJ1	Ronald Yaros	Seats (Total: 15)
	Sa 8:30am - 12:15pm	KNI 1101
	The class is open to students in the graduate multimedia certificate program. It meets 12 times in the spring, beginning Feb. 1 and ending May 10. No class on March 22 (spring break), April 5 or April 19.	

JOUR625 **Advanced Capital News Service Bureau**

JOUR625 *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, D.C. Bureau students register for section 0101. Annapolis Bureau students register for section 0201.

0101	Rafael Lorente Contact instructor or department for details.	Seats (Total: 10)
0201	Jacoba Incollingo Contact instructor or department for details.	Seats (Total: 10)

JOUR627 **Urban Affairs Reporting**

JOUR627 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; and permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR327. Credit only granted for: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

0101	Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 5) Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR628B *(PermReq)* **Specialized Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/AUD.

0101	Kevin Blackistone MW 10:00am - 11:15am	Seats (Total: 3) KNI 1206

JOUR628E **Specialized Topics in News Writing and Reporting; Special Topics in Science, Health and Environment Journalism**

JOUR628E *(PermReq)* **Specialized Topics in News Writing and Reporting: Special Topics in Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of instructor.

0101	David Kohn Tu 6:00pm - 8:45pm	Seats (Total: 10) KNI 1109

JOUR628L **Specialized Topics in News Writing and Reporting; The Religion Angle**

JOUR628L *(PermReq)* **Specialized Topics in News Writing and Reporting: The Religion Angle; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of instructor. Religious beliefs permeate human culture, making it imperative for journalists-regardless of their subject matter-to consider faith angles if they are to more fully understand the complexity of personal, social and political interactions. The globalization of media has only enhanced the need. Students will learn how to spot and sensitively handle religion in a journalistic context.

0101	Ira Rifkin	Seats (Total: 3)
	W 3:00pm - 5:45pm	KNI 1206

JOUR652 **Intermediate Multimedia Journalism**

JOUR652 *(PermReq)* **Intermediate Multimedia Journalism; (3 credits)** Grade Method: REG/AUD.
Corequisite: Offered to students enrolled in a journalism master's degree or certificate. JOUR 504 (formerly 628G) or JOUR 604 (a new course number for certificate students) is a pre- or co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues are also discussed and social media tools and ethics explored.

0201	Mark Young	Seats (Total: 10)
	W 6:30pm - 9:15pm	KNI 3207

JOUR654 **Advanced Interactive Multimedia Storytelling**

JOUR654 *(PermReq)* **Advanced Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR652; and permission of JOUR-Philip Merrill College of Journalism. Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

0101	Corey Kliewer	Seats (Total: 5)
	M 7:00pm - 9:45pm	KNI 3207

JOUR655 **Advanced Online News Bureau**

JOUR655 *(PermReq)* **Advanced Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR603 or JOUR620; and (JOUR504 and JOUR652). Or permission of JOUR-Philip Merrill College of Journalism. Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 8)

JOUR656 **Advanced Kaiser Health Multimedia Reporting**

JOUR656 *(PermReq)* **Advanced Kaiser Health Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR504. Corequisite: JOUR620 or JOUR503. Restriction: Permission of instructor. Advanced reporting on health topics, using traditional and multimedia storytelling tools.

0101	Christine Harvey F 11:00am - 1:45pm	Seats (Total: 2) KNI 3207

JOUR661 **Television Reporting and Production**

JOUR661 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR603; or students who have taken courses with comparable content may contact the department. Restriction: Must not be in Journalism Studies (Doctoral) program. Reporting, writing, editing and production of broadcast news.

0101	Joshua Davidsburg MW 2:00pm - 3:50pm	Seats (Total: 1) KNI 2105
0601	John DeDakis, Christopher Shlemon TuTh 5:00pm - 6:50pm	Seats (Total: 1) KNI 2107

JOUR663 **Long Form Broadcast Journalism**

JOUR663 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503 or JOUR603; and JOUR661. Or students who have taken courses with comparable content may contact the department. Also offered as: JOUR363. Credit only granted for: JOUR363, JOUR486, or JOUR663. Formerly: JOUR486. Productions of long form broadcast news reporting, reality videos or documentaries.

0101	Cassandra Clayton	Seats (Total: 3)
	M 3:45pm - 6:30pm	KNI 3207

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503; or students who have taken courses with comparable content may contact the department. And permission of JOUR-Philip Merrill College of Journalism. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Susan Katcef	Seats (Total: 6)
	Contact instructor or department for details.	

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast Producing**

JOUR668B *(PermReq)* **Topics in Broadcasting and Electronic Media: Broadcast Producing; (3 credits)** Grade Method: REG/AUD.

0101	Cindy Wright	Seats (Total: 3)	
	Tu 7:00pm - 9:00pm	KNI 3207	
	Th 2:00pm - 7:00pm	TWS 0117	Lab

JOUR668V **Topics in Broadcasting and Electronic Media; Advanced Video Storytelling**

JOUR668V *(PermReq)* **Topics in Broadcasting and Electronic Media: Advanced Video Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR661 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

0101	Bethany Swain M 1:00pm - 3:45pm	Seats (Total: 3) KNI 1101

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698I **Special Problems in Communication; Advanced Public Affairs Reporting/Investigative Journalism**

JOUR698I *(PermReq)* **Special Problems in Communication: Advanced Public Affairs Reporting/Investigative Journalism; (3 credits)** Grade Method: REG/AUD. Prerequisites: JOUR501. Students will investigate crumbling cities - urban sinkholes, falling bridges, exploding gas lines- and work in teams to produce multimedia stories for publication/broadcast.

0101	Deborah Nelson M 1:00pm - 3:45pm	Seats (Total: 5) KNI 3207

JOUR698L **Special Problems in Communication; Graduate Research Colloquium**

JOUR698L Special Problems in Communication: Graduate Research Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Sarah Oates M 11:00am - 12:30pm	Seats (Total: 12) KNI 1103

JOUR698X **Special Problems in Communication; Internet, Communication, and Conflict**

JOUR698X *(PermReq)* **Special Problems in Communication: Internet, Communication, and Conflict; (3 credits)** Grade Method: REG/AUD. Prerequisite: permission of department. Examines whether the digital world fundamentally changes the relationship among news producers, the audience, and the state. The course will assess the value of using traditional journalism and communication research methods for analyzing the online sphere. In addition, we will explore recent studies of protest and conflict that involved digital media, advancing ideas about theories about power and communication in the new media ecology.

0101	Sarah Oates	Seats (Total: 10)
	W 9:00am - 11:45am	KNI 1109

JOUR700 **Seminar in Media Law**

JOUR700 *(PermReq)* **Seminar in Media Law; (3 credits)** Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Journalism - Master (Master's); Journalism Studies (Doctoral)) ; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR400, JOUR700, or JOUR755. Formerly: JOUR755.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication.

0101	Diana Huffman	Seats (Total: 2)
	TuTh 2:00pm - 3:15pm	KNI 1208

JOUR716 **History of Investigative Journalism**

JOUR716 *(PermReq)* **History of Investigative Journalism; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Graduate students will learn the history of investigative journalism in the U.S., focusing on key time periods from colonial times to the present.

0101	Mark Feldstein	Seats (Total: 10)
	M 9:00am - 11:45am	KNI 1109

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must not have completed JOUR462. Examination of theoretical and practical issues in the press coverage on government and public affairs.

0101	Adrianne Flynn	Seats (Total: 10)
	M 10:00am - 12:45pm	KNI 3200

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed or be concurrently enrolled in JOUR501; or students who have taken courses with comparable content may contact the department. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects. Contact instructor to obtain permission.

0101	Daniel Keating	Seats (Total: 18)
	TuTh 9:00am - 10:50am	KNI 2107

JOUR776 **Qualitative Research Methods in Journalism and Public Communication**

JOUR776 Qualitative Research Methods in Journalism and Public Communication; (3 credits) Grade Method: REG/AUD.
Credit only granted for: JOUR711 or JOUR776. Formerly: JOUR711. Methods of historical, critical and field research in journalism and public communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substanial claims, organizing and writing research for disciplinary outlets.

0101	Linda Steiner	Seats (Total: 8)
	Th 9:00am - 11:45am	KNI 2109

JOUR779M **Seminar in Research Problems; Social Media Research and Analysis for Journalism**

JOUR779M *(PermReq)* **Seminar in Research Problems: Social Media Research and Analysis for Journalism; (3 credits)** Grade Method: REG.

0101	Ronald Yaros M 1:00pm - 3:45pm	Seats (Total: 10) KNI 2109

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR801 **Advanced Public Communication Theory**

JOUR801 *(PermReq)* **Advanced Public Communication Theory; (3 credits)** Grade Method: REG.
Prerequisite: JOUR601; or students who have taken courses with comparable content may contact the department. Credit only granted for: JOUR601 or JOUR801.
Advanced selected survey of communication & media theory.

0101	Kalyani Chadha Tu 9:00am - 11:45am	Seats (Total: 12) KNI 2109

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Spring 2014

JWST219C **Special Topics in Jewish Studies; Contemporary Israel**
Contact department for information to register for this course.

JWST219D **Special Topics in Jewish Studies; Women in Israel**
Contact department for information to register for this course.

JWST219E **Special Topics in Jewish Studies; Writing Israel**
Contact department for information to register for this course.

JWST219F **Special Topics in Jewish Studies; Jews and the Bible Through the Ages**

JWST219F Special Topics in Jewish Studies: Jews and the Bible Through the Ages; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as CMLT298F and RELS219F. Credit will be granted for one of the following: CMLT298F, JWST219F, or RELS219F. The Bible has been studied and used for guidance for millennia. In this course the Jewish commentators, their commentaries, and their world views will be explored both for insight into their societies and to gain a better perspective of our own.

0101	Joshua Dachman	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SQH 2117

JWST235 **History of the Jewish People II**

JWST235 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H. Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283. Credit will be granted for HIST283 or JWST235.

0101	Rachel Manekin MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 SQH 1101	 Discussion
0102	Rachel Manekin MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) SQH 1120 SQH 1123	 Discussion
0103	Rachel Manekin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) SQH 1120 KEY 1117	 Discussion
0104	Rachel Manekin MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 KEY 1117	 Discussion

JWST235H **History of the Jewish People II**

JWST235H History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H. Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283H. Credit will be granted for HIST283H or JWST235H.

0101	Rachel Manekin	Seats (Total: 20)	
	MW 11:00am - 11:50am W 10:00am - 10:50am	SQH 1120 KEY 0125	Discussion

JWST262 **Introduction to the Hebrew Bible/Old Testament**
Contact department for information to register for this course.

JWST272 **Introduction to Jewish Literature**

JWST272 Introduction to Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Formerly: HEBR231. A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

0101	Noah Fabricant	Seats (Total: 40)	
	TuTh 12:30pm - 1:45pm	ARM 0105	

JWST281 **Yiddish I**

JWST281 Yiddish I; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to the Yiddish language, with emphasis on speaking, reading, and writing skills. Students will also learn the history of the language, its significance to Jewish culture, its origins and basic structure. Also offered as GERM148Y.

0101	Adi Mahalel	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	TYD 1132	

0201	Adi Mahalel	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

JWST319B **Special Topics in Jewish Studies; Arab-Israeli Relations**
Contact department for information to register for this course.

JWST319E **Special Topics in Jewish Studies; Literature of the Shoah**
Contact department for information to register for this course.

JWST319L **Special Topics in Jewish Studies; Introduction to Yiddish Literature**

JWST319L Special Topics in Jewish Studies: Introduction to Yiddish Literature; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities. A lively exploration of the central social, economic, and cultural issues surrounding Eastern European Jewry from the Middle Ages through the 20th century as they appear in classic Yiddish texts (translated into English).

0101	Adi Mahalel	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1119

JWST319O **Special Topics in Jewish Studies; Minorities in the State of Israel**

JWST319O Special Topics in Jewish Studies: Minorities in the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT368E and ISRL349O. Credit granted for GVPT368E, ISRL349O or JWST319O. An examination of the history and role of religious and ethnic minorities in the State of Israel, including Mizrahi Jews, Arabs, Russians, Ethiopians, Muslims, Christians, and Druze.

0101	Joseph Ringel	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1119

JWST319P **Special Topics in Jewish Studies; The Jews of the Islamic World from the times of Muhammad until Today**

JWST319P Special Topics in Jewish Studies: The Jews of the Islamic World from the times of Muhammad until Today; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST319P and ISRL349P. Credit granted for ISRL349P (Spring 2014), ISRL449R, JWST429A, HIST428W (Spring 2013) or HIST319P. Exploration of the history of Jewish-Muslim relations from the time of Muhammad until today.

0101	Joseph Ringel TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1119	

JWST319Q **Special Topics in Jewish Studies; Imagining the Other in Israeli Culture**

JWST319Q Special Topics in Jewish Studies: Imagining the Other in Israeli Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349Q, CMLT398B, and HEBR498Q. Credit granted for following ISRL349Q, JWST319Q, CMLT398B, or HEBR498Q. Jews of Eastern European origins have dominated the cultural climate of contemporary Israel. Through an exploration of fiction, poetry, memoirs, and selected criticism, we will explore the ways in which the "other," is imagined in Israeli culture.

0101	Sheila Jelen MW 12:30pm - 1:45pm	Seats (Total: 20) TWS 3132	

JWST345 **The Holocaust of European Jewry**

JWST345 The Holocaust of European Jewry; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HIST307. Credit only granted for: HIST307 or JWST345. Roots of Nazi Jewish policy in the 1930s and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TLF 1103	 Discussion
0102	Marsha Rozenblit TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion

0103	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 TYD 1132	 Discussion
0104	Marsha Rozenblit TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0117	 Discussion

JWST369J **Special Topics in Study Abroad III; Contemprary Jewish Thought**
Contact department for information to register for this course.

JWST409A **Research Seminar in Jewish Studies; Literature and Jewish Life in Eastern Europe**

JWST409A *(PermReq)* **Research Seminar in Jewish Studies: Literature and Jewish Life in Eastern Europe; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: Permission of department. Also offered as HIST408R. Credit granted for HIST408R or JWST409A. We will discuss works by Karl Emil Franzos, Joseph Roth, Alfred Dobin, and others, and examine their contribution to the myths concerning Jewish life in Eastern Europe.

0101	Rachel Manekin MW 2:00pm - 3:15pm	Seats (Total: 12) SQH 1111

JWST418 **Honors Thesis Research in Jewish Studies**

JWST418 *(PermReq)* **Honors Thesis Research in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST419B **Special Topics in Jewish Studies; Modern Hebrew Language: Issues in Spoken and Written Israeli Hebrew**

JWST419B Special Topics in Jewish Studies: Modern Hebrew Language: Issues in Spoken and Written Israeli Hebrew; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: HEBR313 or permission of instructor. Taught in Hebrew. Also offered as HEBR498T.

0101	Einat Gonen Class time/details on ELMs	Seats (Total: 25) ONLINE

JWST429P **Advanced Topics in Jewish Studies; Culture and Identity in the Jewish Hebrew Education**

JWST429P Advanced Topics in Jewish Studies: Culture and Identity in the Jewish Hebrew Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.

0101	Avital Feuer	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

JWST453 **Philosophy of Spinoza**

JWST453 Philosophy of Spinoza; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses; or permission of ARHU-Meyerhoff Program & Center for Jewish Studies. Restriction: Must not have completed PHIL424. Also offered as: PHIL424. Credit only granted for: JWST453 or PHIL424.* An investigation of the metaphysical, ethical, and political thought of the 17th century philosopher Benedict Spinoza.

0101	Charles Manekin	Seats (Total: 15)
	Tu 1:00pm - 3:30pm	SKN 1116

JWST459B **Readings in Medieval Hebrew; The Golden Age of Jewish Bible Commentary**

JWST459B Readings in Medieval Hebrew: The Golden Age of Jewish Bible Commentary; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Focus of study is on medieval Jewish exegesis, or Bible interpretation and commentary. Students will read and translate medieval Hebrew texts. Texts are in Hebrew

0101	Joshua Dachman	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	SQH 2121

JWST499 **Independent Study in Jewish Studies; Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies: Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST609 **Supervised Instruction-Practicum in Jewish Studies; Hebrew Instruction Practicum**

JWST609 *(PermReq)* **Supervised Instruction-Practicum in Jewish Studies: Hebrew Instruction Practicum; (1 credit)** Grade Method: S-F.
Prerequisite: permission of department.

0110	Avital Feuer	Seats (Total: 5)
	Contact instructor or department for details.	

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST619C **Directed Readings in Jewish Studies; The Philosophy of Spinoza**

JWST619C Directed Readings in Jewish Studies: The Philosophy of Spinoza; (3 credits) Grade Method: REG.
Also offered as PHIL828C. Credit will be granted for one of the followi ng: JWST619C or PHIL828c.

0101	Charles Manekin	Seats (Total: 15)
	Tu 1:00pm - 3:30pm	SKN 1116

JWST619P **Directed Readings in Jewish Studies; Culture and Identity in the Jewish Hebrew Education**

JWST619P Directed Readings in Jewish Studies: Culture and Identity in the Jewish Hebrew Education; (3 credits) Grade Method: REG.

0101	Avital Feuer	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 *(PermReq)* **Independent Graduate Readings in Jewish Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES Kinesiology Spring 2014

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
For majors only. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Derrick Larkins MW 10:00am - 12:00pm	Seats (Total: 40) ERC 0135	Lab
0002	Derrick Larkins MW 12:00pm - 2:00pm	Seats (Total: 40) ERC 0135	Lab
0003	Andrew Ginsberg TuTh 12:00pm - 2:00pm	Seats (Total: 40) ERC 0135	Lab

---

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.
Prerequisite: KNES 131V or 10k experience. For majors only. One weekend event expected. Attendence is required the first day of class. Students must pay a $40 instructional materials fee.

0001	Brittany Aley	Seats (Total: 40)	
	TuTh 2:00pm - 4:00pm	COL 1100D	Lab

KNES131V **Physical Education Activities: Coed; Jogging (Beginning)**

KNES131V Physical Education Activities: Coed: Jogging (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0002	Brittany Aley	Seats (Total: 60)	
	MW 2:00pm - 4:00pm	COL 1100D	Lab

KNES131Z **Physical Education Activities: Coed; Beginning Softball**

KNES131Z Physical Education Activities: Coed: Beginning Softball; (1 credit) Grade Method: REG/P-F.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the ENGR Fields. Schedule adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Instructor: TBA	Seats (Total: 25)	
	Meets March 24, 2014 - May 13, 2014		
	TuTh 1:00pm - 3:00pm	ENGR FIELD	Lab

KNES132N **Physical Education Activities: Coed; Badminton (Beginning)**

KNES132N Physical Education Activities: Coed: Badminton (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Kristi Tredway	Seats (Total: 24)	
	Meets January 27, 2014 - March 14, 2014		
	MW 12:00pm - 2:00pm	SPH 2101	Lab
0002	Kristi Tredway	Seats (Total: 24)	
	Meets January 27, 2014 - March 14, 2014		
	MW 2:00pm - 4:00pm	SPH 2101	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
For majors only. Attendance is required the first day of class. Students must pay a $40 instructional materials fee plus bowling shoes are required. Schedule adjustment is the first week of class only.

0001	Kevin Alexander	Seats (Total: 40)	
	Meets March 24, 2014 - May 13, 2014		
	TuTh 8:00am - 10:00am	SSU B106	Lab
0002	Kevin Alexander	Seats (Total: 40)	
	Meets January 27, 2014 - March 14, 2014		
	TuTh 8:00am - 10:00am	SSU B106	Lab

KNES140O **Physical Education Activities: Coed; Tumbling and Balancing (Intermediate)**

KNES140O Physical Education Activities: Coed: Tumbling and Balancing (Intermediate); (1 credit) Grade Method: REG.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Joshua Montfort	Seats (Total: 25)	
	Meets March 24, 2014 - May 13, 2014		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140R **Physical Education Activities: Coed; Trampoline (Beginning)**

KNES140R Physical Education Activities: Coed: Trampoline (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Scheduled adjustment is the first week of classes only. Formerly: KNES140S. Students must pay a $40 instructional materials fee.

0001	Joshua Montfort	Seats (Total: 25)	
	Meets January 27, 2014 - March 14, 2014		
	MW 10:00am - 12:00pm	SPH 1120	Lab

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Angela Zavaglia	Seats (Total: 25)	
	Meets January 27, 2014 - March 14, 2014		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Karate (Intermediate)**

KNES144R Physical Education Activities: Coed: Karate (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 10:00am - 12:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense**

KNES144T Physical Education Activities: Coed: Self-Defense; (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	Lab

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of class only. For majors only. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Instructor: TBA	Seats (Total: 24)	
	Meets March 24, 2014 - May 13, 2014		
	MW 10:00am - 12:00pm	COL 1110D	Lab
0002	Instructor: TBA	Seats (Total: 24)	
	Meets January 27, 2014 - March 12, 2014		
	MW 10:00am - 12:00pm	COL 1110D	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Christopher Whipple	Seats (Total: 22)	
	TuTh 8:00am - 9:15am	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Matthew Quigley	Seats (Total: 22)	
	MW 1:00pm - 2:15pm	ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B01020	Lab

KNES154T **Physical Education Activities: Coed; Swimming, Fitness (Intermediate)**

KNES154T Physical Education Activities: Coed: Swimming, Fitness (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Christopher Whipple	Seats (Total: 22)	
	TuTh 9:30am - 10:45am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Matthew Quigley	Seats (Total: 20)	
	MW 8:00am - 10:00am	ERC B0120	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Adam Amorese	Seats (Total: 32)	
	MW 1:00pm - 2:15pm	SPH 0103	Lab
0002	Dapeng Chen	Seats (Total: 32)	
	MW 11:00am - 12:15pm	SPH 0103	Lab

0003	Dapeng Chen TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	 Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
For majors only. Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0001	Adam Amorese MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	 Lab
0002	Dapeng Chen TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	 Lab
0003	Derrick Larkins MW 3:00pm - 4:15pm	Seats (Total: 32) SPH 0103	 Lab
0004	Derrick Larkins MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	 Lab
0005	Dapeng Chen TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	 Lab

KNES157T **Physical Education Activities: Coed; Fight the 15: Introduction to Fitness and an Active Lifestyle**

KNES157T Physical Education Activities: Coed: Fight the 15: Introduction to Fitness and an Active Lifestyle; (1 credit) Grade Method: REG/P-F.
For non-majors only. Students must pay a $40 instructional materials fee. Intended for students interested in learning basic aspects of exercise and fitness. Coverage of fitness fundamentals, training concepts and techniques, and facilities available on and off campus to aid in an active lifestyle.

0101	Andrea Romeo MW 10:00am - 11:15am	Seats (Total: 30) SPH 2101	

KNES161G **Physical Education Activities: Coed; Yoga for Fitness (Intermediate)**

KNES161G Physical Education Activities: Coed: Yoga for Fitness (Intermediate); (1 credit) Grade Method: REG/P-F.
For majors only. Attendance is required beginning the first day of class. Students must pay a $40 instructional materials fee.

0001	Laura Rush	Seats (Total: 30)
	TuTh 3:00pm - 4:15pm	SPH 0128

KNES161K **Physical Education Activities: Coed; Cardio Kickboxing (Beginning)**

KNES161K Physical Education Activities: Coed: Cardio Kickboxing (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required beginning the first day of class Students must pay a $40 instructional materials fee.

0001	Laura Rush	Seats (Total: 50)	
	TuTh 1:00pm - 3:00pm	ERC 0105	Lab
	For KNES majors only. Attendance is required beginning the first day o class.		

KNES161N **Physical Education Activities: Coed; Conditioning (Beginning)**
Contact department for information to register for this course.

KNES161O **Physical Education Activities: Coed; Conditioning (Intermediate)**

KNES161O Physical Education Activities: Coed: Conditioning (Intermediate); (1 credit) Grade Method: REG/P-F.
For majors only. Attendance is required on the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 instructional materials fee.

0001	Andrew Ginsberg	Seats (Total: 32)
	Meets March 24, 2014 - May 13, 2014	
	MW 2:00pm - 4:00pm	SPH 2101

KNES161T **Physical Education Activities: Coed; Yoga**

KNES161T Physical Education Activities: Coed: Yoga; (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is mandatory. Students must pay a $40 instructional materials fee.

0001	Anne Contee MW 8:00am - 9:15am	Seats (Total: 30) SPH 0128
0002	Anne Contee MW 9:00am - 10:15am	Seats (Total: 30) SPH 0128

KNES201 **Kinesiological Principles of Physical Activity**

KNES201 Kinesiological Principles of Physical Activity; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201. An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

0101	Andrea Romeo M 2:00pm - 2:50pm	Seats (Total: 40) SPH 1303

KNES201U **Kinesiological Principles of Physical Activity**
Contact department for information to register for this course.

KNES210 **Essentials of Exercise Science for Fitness Professionals**

KNES210 Essentials of Exercise Science for Fitness Professionals; (2 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Corequisite: KNES211 or KNES212. Formerly: KNES289N. Basic concepts of human anatomy, exercise physiology, applied kinesiology, nutrition and the physiology of exercise training. Includes the CORE knowledge required for the American Council on Exercise (ACE) Personal Trainer and the ACE Group Fitness Instructor National Certification Examinations.

0101	Rosemary Lindle Class time/details on ELMs	Seats (Total: 50) ONLINE

KNES211 **Methods of Personal Fitness Instruction**

KNES211 Methods of Personal Fitness Instruction; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in KNES210. Formerly: KNES289P. Development of personal training skills including effective communication, client assessment, fitness testing, goal setting, program design, program implementation, legal responsibilities and business strategies. This course prepares and provides the student the opportunity to sit for the American Council on Exercise (ACE) Personal Trainer National Certification exam. Non-KNES majors: If you are registered for KNES210 and need permission to register for this course please contact a KNES advisor at advisingknes@umd.edu.

0101	Brianne Rowh	Seats (Total: 25)
	TuTh 9:30am - 10:45am	ERC 2113

KNES212 **Methods of Group Fitness Instruction**

KNES212 Methods of Group Fitness Instruction; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in KNES210. Formerly: KNES289G. Teaching and evaluation of a variety of group exercise programs including, step, cardio-boxing, cycling, muscle conditioning and circuit training. This course prepares and provides the student the opportunity to sit for the American Council on Exercise (ACE) Group Fitness Instructor National Certification exam. Non-KNES majors: If you are registered for KNES210 and need permission to register for this course please contact a KNES advisor at advisingknes@umd.edu.

0101	Tami Bergan	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	ERC 0105

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	Jennie Phillips MW 3:00pm - 3:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion
0102	Jennie Phillips MW 3:00pm - 3:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion
0103	Jennie Phillips MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion
0104	Jennie Phillips MW 3:00pm - 3:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1303 SPH 0223	Discussion

KNES286 **Empowering Healthy Physical Activity**

KNES286 Empowering Healthy Physical Activity; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Learn evidence-based techniques that health professionals use to promote physical activity programs that meet the needs of diverse populations. Develop and implement an intervention plan targeting a specific population.

0101	Marvin Scott TuTh 9:30am - 10:45am	Seats (Total: 25) SPH 0307	

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media. Restricted to majors or non-majors with less than or equal to 45 credits.

0101	David Andrews MW 11:00am - 11:50am M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	David Andrews MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0103	David Andrews MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1302	 Discussion
0104	David Andrews MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0305	 Discussion

KNES287U **Sport and American Society**
Contact department for information to register for this course.

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289R **Topical Investigations; Hoop Dreams: Black Masculinity and Sport**

KNES289R Topical Investigations: Hoop Dreams: Black Masculinity and Sport; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Utilizing an interdisciplinary approach, students explore how sport has been invoked across the political and ideological spectrum to interrogate a number of issues impacting the life chances of young, African-Americans males including educational attainment, poverty, social mobility, racism, cultural production, and notions of masculinity.

0101	Damion Thomas MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) SYM 0200 SPH 0301	Discussion
0102	Damion Thomas MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) SYM 0200 SPH 0301	Discussion
0103	Damion Thomas MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) SYM 0200 SPH 0305	Discussion
0104	Damion Thomas MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 20) SYM 0200 SPH 0305	Discussion

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement. Restricted to Majors or non-majors with less than or equal to 45 credits.

0101	Instructor: TBA MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1303	Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0308	Discussion
0104	Instructor: TBA MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 1302	Discussion

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Jae Kun Shim MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) EGR 1202 SPH 0223	 Lab
0102	Jae Kun Shim MW 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) EGR 1202 SPH 0223	 Lab
0103	Jae Kun Shim MW 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) EGR 1202 SPH 0223	 Lab
0104	Jae Kun Shim MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) EGR 1202 SPH 0223	 Lab
0105	Jae Kun Shim MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) EGR 1202 SPH 0223	 Lab
0106	Jae Kun Shim MW 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) EGR 1202 SPH 0223	 Lab

0107	Jae Kun Shim MW 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) EGR 1202 SPH 0223	 Lab
0108	Jae Kun Shim MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) EGR 1202 SPH 0223	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Jae Kun Shim MW 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 3) EGR 1202	

KNES332 **Exercise Testing and Prescription for the Fitness Professional**

KNES332 Exercise Testing and Prescription for the Fitness Professional; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G. Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman WF 8:00am - 10:00am	Seats (Total: 25) SPH 0308	

KNES333 **Motor Development and Fitness for Individuals with Disabilities**

KNES333 Motor Development and Fitness for Individuals with Disabilities; (3 credits) Grade Method: REG.
Restriction: Must be in a major within the SPHL-Kinesiology department. Implications of Federal and State regulations for planning and implementing motor development and physical fitness programs for individuals with disabilities. Evaluation strategies for assessing motor performance and fitness levels in educational programs for these individuals. Students are required to choose a placement for a service-learning exper ience involving direct work with children who have disabilities. Studen ts may choose from a list of local schools (listed in the syllabus) that have special education programs; or they may complete this requirement at the Children's Developmental Clinic held on campus in the SPH (School of Public Health) building every Saturday 8:30a-12:30p.

0101	Dennis Vacante	Seats (Total: 32)
	Th 7:00pm - 9:30pm	SPH 0308

KNES334 **Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.**

KNES334 Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.
Credit only granted for: KNES498L or KNES334. Formerly: KNES498L. Study of the field of adapted physical activity and its impact on the health and wellness of individuals with disabilities. Students will design an adapted physical activity program proposal and develop the skills needed to empower people with disabilities to participate in physical activity and sports programs and to lead active lifestyles.

0101	Ana Palla-Kane	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SPH 0302

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F/AUD. Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Carrie Tupper TuTh 9:00am - 9:50am	Seats (Total: 35) ERC B0136	Lab

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm *For majors only.*	Seats (Total: 70) SPH 1303
0201	J Carson Smith TuTh 8:00am - 9:15am	Seats (Total: 100) SHM 2102

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance. Prerequisite: permission of department.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 2) SPH 1303
0201	J Carson Smith TuTh 8:00am - 9:15am	Seats (Total: 3) PHY 1410

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES355 or KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0308	

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within the SPHL-Kinesiology department. Credit only granted for: KNES355 or KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 1) SPH 0308	

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in a major within SPHL-Kinesiology department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in a major within SPHL-Kinesiology department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must be in a major within SPHL-Kinesiology department.* Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

BL01	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 8:00am - 8:50am	SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL02	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 9:00am - 9:50am	SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL03	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 10:00am - 10:50am	SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL04	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 11:00am - 11:50am	SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL05	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 12:00pm - 12:50pm	SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		
BL06	Marcio Oliveira	Seats (Total: 18)	
	W 3:00pm - 3:50pm Class time/details on ELMs M 1:00pm - 1:50pm	SPH 1312 ONLINE SPH 0124	Discussion
	Blended Learning courses combine face-to-face and online interactions.		

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG. *Restriction: Must be in a major within SPHL-Kinesiology department.* Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. Prerequisite: permission of department.

0101	Marcio Oliveira W 3:00pm - 3:50pm Contact instructor or department for details.	Seats (Total: 2) SPH 1312	

KNES370U **Motor Development**
Contact department for information to register for this course.

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must be in a major within SPHL-Kinesiology department.* Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	Rodolphe Gentili MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion
0102	Rodolphe Gentili MW 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion
0103	Rodolphe Gentili MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Discussion

0104	Rodolphe Gentili MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0105	Rodolphe Gentili MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0106	Rodolphe Gentili MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0107	Rodolphe Gentili MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0108	Rodolphe Gentili MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 SPH 0124	Discussion

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in a major within SPHL-Kinesiology department. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. Prerequisite: permission of department.

0101	Rodolphe Gentili MW 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES386 **Experiential Learning**

KNES386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: Must have completed three KNES core classes. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.
Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project. Junior Standing.

0101	Marvin Scott	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SPH 0308

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Childrens Development Clinic**

KNES389E Topical Investigations: Childrens Development Clinic; (1 credit)
Grade Method: REG/P-F/AUD.
Students will be required to complete fingerprinting and background checks (at no cost to the students). A service-learning experience at the Children's Developmental Clinic in the SPH (School of Public Health) building each Saturday morning (8:30-12:30). It is designed to give students a one-on-one, hands-on experience in working with a child who has special educational needs in the areas of motor development, language, reading, and social skills. There are two training sessions and nine sessions with the children.

0101	Dennis Vacante	Seats (Total: 30)
	Sa 8:30am - 12:30pm	SPH 2101

KNES389K **Topical Investigations; Kinesiology Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiology Internship; (3 credits)**
Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389R **Topical Investigations; Independent Study in Physical Therapy Research**

KNES389R *(PermReq)* **Topical Investigations: Independent Study in Physical Therapy Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: KNES370, KNES385, and permission of department. Corequisite: KNES300. This independent study offers students the unique opportunity to experience being part of a research team that is invesitgating how to better rehabilitate and measure outcomes in a specific population. Click here for more information: http://sph.umd.edu/KNES/ugrad/PTRS.html

0101	Ana Palla-Kane	Seats (Total: 3)
	Contact instructor or department for details.	

KNES400 **The Foundations of Public Health in Kinesiology**

KNES400 The Foundations of Public Health in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES287 and KNES360. Restriction: Senior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A. An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

0101	Shannon Jette	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PLS 1119

KNES400H **The Foundations of Public Health in Kinesiology**

KNES400H *(PermReq)* **The Foundations of Public Health in Kinesiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES287 and KNES360. Restriction: Senior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A. An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

0101	Shannon Jette TuTh 2:00pm - 3:15pm	Seats (Total: 4) PLS 1119

KNES402 **Biomechanics of Sport**

KNES402 Biomechanics of Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES300. Mechanical determinants influencing sport techniques. A quantitative, scientific basis for sport analysis with emphasis on the application to numerous sport activities. Evaluation and quantification of the filmed performance of athletes.

0101	Ross Miller MWF 12:00pm - 12:50pm	Seats (Total: 32) SPH 0308

KNES402H **Biomechanics of Sport**

KNES402H *(PermReq)* **Biomechanics of Sport; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES300. Mechanical determinants influencing sport techniques. A quantitative, scientific basis for sport analysis with emphasis on the application to numerous sport activities. Evaluation and quantification of the filmed performance of athletes.

0101	Ross Miller MWF 12:00pm - 12:50pm	Seats (Total: 3) SPH 0308

KNES442 **Psychology of Exercise and Health**

KNES442 Psychology of Exercise and Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES442 or KNES498O. Formerly: KNES498O. Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 30) SPH 1302

KNES442H **Psychology of Exercise and Health**

KNES442H *(PermReq)* **Psychology of Exercise and Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES442 or KNES498O. Formerly: KNES498O. Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 2) SPH 1302

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 50) SPH 1303

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers. Prerequisite: permission of department.

0101	Elizabeth Brown	Seats (Total: 4)
	Tu 4:00pm - 6:30pm	SPH 1303

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES370 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES457 or KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott	Seats (Total: 35)
	MWF 11:00am - 11:50am	SPH 0308

KNES460 **Physiology of Aging and the Impact of Physical Activity**

KNES460 Physiology of Aging and the Impact of Physical Activity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F. Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.

0101	Marc Rogers	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	SPH 0303

KNES460H **Physiology of Aging and the Impact of Physical Activity**

KNES460H *(PermReq)* **Physiology of Aging and the Impact of Physical Activity; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Credit only granted for: KNES498F or KNES460. Formerly: KNES498F. Biology of the aging process in healthy individuals and those with chronic disease, the effects of acute exercise and exercise training on the physiological decline that occurs in humans, and the role that regular physical activity plays on enhancing the quality of life and activities of daily living in individuals.

0101	Marc Rogers	Seats (Total: 2)
	TuTh 2:00pm - 3:15pm	SPH 0303

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

0101	Ben Hurley	Seats (Total: 33)
	TuTh 9:30am - 10:45am	SPH 0308

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance. Prerequisite: permission of department.

0101	Ben Hurley	Seats (Total: 2)
	TuTh 9:30am - 10:45am	SPH 0308

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG.
Prerequisite: KNES360; or permission of SPHL-Kinesiology department. Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Marc Rogers TuTh 11:00am - 12:15pm	Seats (Total: 33) SPH 1301

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG.
Prerequisite: KNES360; or permission of SPHL-Kinesiology department. Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram. Prerequisite: permission of department.

0101	Marc Rogers TuTh 11:00am - 12:15pm	Seats (Total: 2) SPH 1301

KNES477 **Honors Thesis**

KNES477 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: KNES476. Corequisite: KNES478. Restriction: Must be a KNES Honors student; and senior standing. Credit only granted for: KNES399 or KNES477. Advisement will be on the individual basis. Thesis must be defended in the honors seminar.

0101	Espen Spangenburg F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 10) SPH 0301

KNES478 **Honors Seminar; Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar: Honors Seminar; (1 credit)** Grade Method: REG.

0101	Espen Spangenburg F 11:00am - 11:50am	Seats (Total: 20) SPH 0301

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0308

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 2) SPH 0308

KNES485 **Sport and Globalization**

KNES485 Sport and Globalization; (3 credits) Grade Method: REG/P-F/AUD.
GenEd: Diversity - Understanding Plural Societies.
Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T. Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.

0101	Adam Beissel Class time/details on ELMs	Seats (Total: 40) ONLINE

KNES496 **Quantitative Methods**
Contact department for information to register for this course.

KNES497 **Kinesiology Senior Seminar**

KNES497 Kinesiology Senior Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: A professional writing coure with a (C-) or better; all 7 KNES core and 2 KNES options. 100 semester hours. And STAT100; or students who have taken courses with comparable content may contact the department.* Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. Click here for more information.

0101	Ben Hurley W 8:00am - 10:30am *"Exercise Prescription for the Prevention and Treatment of Chronic Disease".*	Seats (Total: 21) SPH 0303
0102	Adam Beissel Th 4:00pm - 6:30pm *"Socio-Historical Aspects of Sports & Physical Culture"*	Seats (Total: 21) SPH 0223
0104	Eva Chin W 4:00pm - 6:30pm *"Adaptations of Skeletal Muscle with Disease and Exercise Training"*	Seats (Total: 21) SPH 0302
0105	Jennie Phillips M 9:00am - 11:30am *Scientific Aspects of Youth Physical Activity and Sport.*	Seats (Total: 30) SPH 0307
0106	Rodolphe Gentili Th 4:00pm - 6:30pm *"Rehabilitation and Motor Control"*	Seats (Total: 21) SPH 0303

0107	Adam Beissel Tu 4:00pm - 6:30pm	Seats (Total: 21) SPH 0305
	Contextualizing the Sports Industry: This section will facilitate an in-depth, independent examination of the trends, challenges, and opportunities related to the contemporary sports industry.	
0109	Jo Zimmerman, Andrew Ginsberg M 9:00am - 11:30am	Seats (Total: 30) JMP 1109
	Exercise & Brain Health: From Psychobiology to Behavior.	
0110	Evan Brody Tu 4:00pm - 6:30pm	Seats (Total: 21) CHE 2116
	Applied Sport and Exercise Psychology for Practitioners.	
0111	Tim Kiemel W 4:00pm - 6:30pm	Seats (Total: 20) SPH 1302
	Normal and Impaired Sensorimotor Control: Standing Balance, Walking and and Other Activities of Daily Life.	

KNES498 **Special Topics in Kinesiology**

KNES498 Special Topics in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES498N **Special Topics in Kinesiology; Muscular Aspects of Exercise Physiology**

KNES498N Special Topics in Kinesiology: Muscular Aspects of Exercise Physiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Coverage of key mechanisms that regulate skeletal muscle function especially in relation to how muscle adapts to acute excercise and excercise training. Aspects of skeletal muscle biology covered include: muscle development, muscle fiber type determination, cell bioenergetics, excitation-contraction coupling, parameters of contractile function, causes of fatigue, regulation of muscle gene expression, and cellular basis of muscle damage and regeneration.

0101	Eva Chin Tu 4:00pm - 6:30pm	Seats (Total: 25) JMP 1109

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Students will learn the basic principles of exercise and rehabilitation of commonly seen injuries in a clinical setting. They will also learn basic assessment techniques, review normal ranges of motion, and determine how the function of the muscles directly affects the rehabilitation process.

0101	Larry Plotkin	Seats (Total: 35)
	TuTh 8:00am - 9:15am	SPH 0307

KNES498W **Special Topics in Kinesiology; Prosthetics for Limb Amputations**

KNES498W Special Topics in Kinesiology: Prosthetics for Limb Amputations; (3 credits) Grade Method: REG/P-F. Prerequisite: KNES300. Introduction to the science of prosthetics and the artificial devices that are designed, developed and fit to replace the missing body part or parts lost through trauma, disease or congenital conditions.

0101	Jae Kun Shim	Seats (Total: 35)
	Tu 1:00pm - 3:30pm	CHE 2136

KNES601 **Epidemiology of Physical Activity**

KNES601 Epidemiology of Physical Activity; (3 credits) Grade Method: REG/AUD. *Prerequisite: KNES600; and must have completed an undergraduate statistics course (e.g., STAT100 or equivalent).* An exploration of basic epidemiological study design, methods, and health outcomes in the field of physical activity.

0101	Jennie Phillips	Seats (Total: 15)
	W 4:00pm - 6:30pm	SPH 0301

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES610 **Methods and Techniques of Research**

KNES610 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
Studies methods and techniques of research used in Kinesiology; an analysis of examples of their use; and practice in their application to problems of interest to the student.

0101	Seppo Iso-Ahola W 4:00pm - 6:30pm	Seats (Total: 15) SPH 0303

KNES618 **Current Readings in Exercise and Applied Physiology**

KNES618 Current Readings in Exercise and Applied Physiology; (1 credit) Grade Method: REG/AUD.

0101	Espen Spangenburg F 1:00pm - 1:50pm	Seats (Total: 15) SPH 2334

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689K **Special Problems in Kinesiology; Research Design: Physical Cultural Studies**

KNES689K Special Problems in Kinesiology: Research Design: Physical Cultural Studies; (3 credits) Grade Method: REG/AUD.

0101	Michael Friedman Tu 4:00pm - 6:30pm	Seats (Total: 15) BPS 1232

KNES689O **Special Problems in Kinesiology; Psychology of Exercise and Health**

KNES689O Special Problems in Kinesiology: Psychology of Exercise and Health; (3 credits) Grade Method: REG/AUD.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 5) SPH 1302

KNES689Q **Special Problems in Kinesiology; Critical Race Studies and Physical Culture**

KNES689Q Special Problems in Kinesiology: Critical Race Studies and Physical Culture; (3 credits) Grade Method: REG/AUD.

0101	Damion Thomas M 4:00pm - 6:50pm	Seats (Total: 15) SPH 0301

KNES689T **Special Problems in Kinesiology; Teaching Internship**

KNES689T *(PermReq)* **Special Problems in Kinesiology: Teaching Internship; (1-6 credits)** Grade Method: REG/AUD.
Outreach Secondary MCERT-KNES. Departmental permisson required. Students are required to pay a course fee; refer to program materials for details.

CE01	Dena Deglau Contact instructor or department for details.	Seats (Total: 10)

KNES689Y **Special Problems in Kinesiology; Public Health and Research Ethics**

KNES689Y Special Problems in Kinesiology: Public Health and Research Ethics; (1 credit) Grade Method: REG/AUD.

0101	Barbara Alving **Meets January 27, 2014 - March 15, 2014** F 11:00am - 12:50pm *Also offered as EPIB641*	Seats (Total: 30) SPH 0305

KNES689Z **Special Problems in Kinesiology; Skeletal Muscle Mechanics, Energetics, and Control**

KNES689Z Special Problems in Kinesiology: Skeletal Muscle Mechanics, Energetics, and Control; (3 credits) Grade Method: REG/AUD.

0101	Ross Miller Th 5:00pm - 7:30pm	Seats (Total: 10) SPH 1301

KNES711 **Professional Development and Grantsmanship**

KNES711 Professional Development and Grantsmanship; (3 credits) Grade Method: REG/AUD.
Restriction: Must be a Doctoral student; and must be in a major in SPHL-School of Public Health. Credit only granted for: KNES711 or KNES789X. Formerly: KNES789X.
Enhance continued professional development through an exploration of culture, climate, expectations and mentoring in research I universities. Generate a grant application including the hypothesis, structure, specific aims, background and significance, and submission of a total grant. Grant process and product will be emphasized.

0101	James Hagberg	Seats (Total: 10)
	W 4:00pm - 6:30pm	SPH 0223

KNES789 **Advanced Projects in Kinesiology**

KNES789 Advanced Projects in Kinesiology; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Spring 2014

KORA102 **Elementary Korean II**

KORA102 Elementary Korean II; (3 credits) Grade Method: REG.
Prerequisite: KORA101; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must be a non-Heritage student; and permission of instructor required for new students. Continued training in elementary spoken and written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2125

KORA202 **Intermediate Korean II**

KORA202 Intermediate Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA201; or permission of instructor. The second stage of an intermediate-level course designed for non-Heritage students. It continues the second year of instruction in the University's two track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3120

KORA212 **Introductory Reading for Speakers of Korean II**

KORA212 Introductory Reading for Speakers of Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA211; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed four or more years of schooling in Korea. Continuation of KORA211; grammar, style, usage, and vocabulary of written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 0208

KORA312 **Korean for Heritage Speakers, Advanced-Low II**

KORA312 Korean for Heritage Speakers, Advanced-Low II; (3 credits) Grade Method: REG.
Prerequisite: KORA311; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to students who have completed eight or more years of schooling in Korea. Concludes the second year of the Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 1215

KORA345 **Korean Language and Linguistics**

KORA345 Korean Language and Linguistics; (3 credits) Grade Method: REG.
Prerequisite: KORA102 or KORA211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: KORA345 and KORA399A. An exploration of Korean language and society, in particular the role and nature of the alphabet, Korean sounds, lexical and grammatical structures, and usage in today's South Korea.

0101	Samuel Ramsey	Seats (Total: 15)
	MW 3:00pm - 4:15pm	JMZ 2207

KORA398C **Special Topics in Korean Studies; Cinema and Society in Contemporary South Korea**

KORA398C Special Topics in Korean Studies: Cinema and Society in Contemporary South Korea; (3 credits) Grade Method: REG/P-F/AUD.
Examining the intersection of gender, class, and nation in contemporary Korean society through the lens of current Korean films. Students will be exposed to a variety of films (with English subtitles) that deal with various issues pertaining to gender, class, and national identity. Each week the class will be organized around the screening of a feature film, preceded by an introduction to locate it in its cultural context, and followed by a discussion.Taught in English.

0101	John Finch	Seats (Total: 30)
	M 4:30pm - 5:45pm	JMZ 2206
	Th 5:00pm - 7:30pm	JMZ 2206

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Spring 2014

LARC121 **Digital Design Futures**

LARC121 Digital Design Futures; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Students are provided with the opportunity to 1) explore basic design principles and practice, 2) explore and apply computer concepts and principles, 3) learn and apply basic computer tools used in landscape architecture and allied disciplines, and 4) demonstrate competency in design vocabulary and computer applications through demonstrated deliverables used in the built environment design fields.

0101	Colleen Vacelet	Seats (Total: 18)	
	M 1:00pm - 1:50pm	PLS 1130	
	M 3:00pm - 4:50pm	PLS 2137	Lab
	M 2:00pm - 2:50pm	PLS 2137	Discussion
0102	Colleen Vacelet	Seats (Total: 18)	
	M 1:00pm - 1:50pm	PLS 1130	
	Tu 3:00pm - 4:50pm	PLS 2137	Lab
	Tu 2:00pm - 2:50pm	PLS 2137	Discussion
0103	Colleen Vacelet	Seats (Total: 18)	
	M 1:00pm - 1:50pm	PLS 1130	
	W 3:00pm - 4:50pm	PLS 2137	Lab
	W 2:00pm - 2:50pm	PLS 2137	Discussion

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Dennis Nola MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 19) PLS 1130 PLS 1111	 Discussion
0102	Dennis Nola MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 19) PLS 1130 PLS 1113	 Discussion
0103	Dennis Nola MW 10:00am - 10:50am M 5:00pm - 5:50pm	Seats (Total: 19) PLS 1130 PLS 1115	 Discussion
0104	Dennis Nola MW 10:00am - 10:50am M 5:00pm - 5:50pm	Seats (Total: 18) PLS 1130 PLS 1146	 Discussion

LARC221 **Digital Design Tools**

LARC221 *(PermReq)* **Digital Design Tools; (3 credits)** Grade Method: REG. *Prerequisite: LARC120 and LARC141. Recommended: LARC240 and LARC265. Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.* The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.

0101	Arlie Ison TuTh 9:30am - 10:45am TuTh 11:00am - 12:15pm	Seats (Total: 15) PLS 2137 PLS 2137	 Lab

LARC240 **Graphic Communication and Design Studio**

LARC240 *(PermReq)* **Graphic Communication and Design Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC141 and LARC263. Corequisite: LARC221 and LARC265. Restriction: Sophomore standing or higher; and must be in Landscape Architecture program. Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.

0101	Byoung-Suk Kweon	Seats (Total: 15)	
	MW 2:00pm - 2:50pm	PLS 2152	
	MW 3:00pm - 4:50pm	PLS 2152	Lab

LARC265 **Site Analysis and Ecological Principles**

LARC265 Site Analysis and Ecological Principles; (3 credits) Grade Method: REG.
Prerequisite: LARC141. Corequisite: LARC240 and LARC221. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and sophomore standing or higher; and must be in Landscape Architecture program. Credit only granted for: LARC265 or ARCH460. Principles and methods of site analysis with an emphasis on the application of ecological principles in landscape architecture, architecture and planning.

0101	David Myers	Seats (Total: 25)	
	MW 12:00pm - 12:50pm	PLS 1146	
	W 1:00pm - 1:50pm	PLS 1146	

LARC321 **Landscape Structures and Materials**

LARC321 *(PermReq)* **Landscape Structures and Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC320; and LARC340. Restriction: Must be in Landscape Architecture program. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Jack Sullivan	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	PLS 1130	
	Th 11:00am - 12:15pm	PLS 2150	Lab

LARC341 **Regional Design Studio**

LARC341 *(PermReq)* **Regional Design Studio; (5 credits)** Grade Method: REG. *Prerequisite: LARC320; and LARC340. Restriction: Junior standing or higher; and must be in Landscape Architecture program.* An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.

0101	Christopher Ellis	Seats (Total: 15)	
	MW 1:00pm - 1:50pm	PLS 2150	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC461 **People and the Environment**

LARC461 People and the Environment; (3 credits) Grade Method: REG. *Repeatable to 3 credits if content differs. Credit only granted for: LARC489K or LARC461. Formerly: LARC489K.* Focus is placed on human and environmental interactions. Students will look at both natural and built environments and how they influence human health and well-being. Many environmental settings will be examined. These include hospitals, public housing neighborhoods, school settings, retirement communities, transportation corridors and green spaces. We will also explore how racial and socio-economic factors affect living and working environmental conditions. Ultimately, students will be using this knowledge to create environments that support individuals, families and various community groups' health and well-being.

0101	Byoung-Suk Kweon	Seats (Total: 20)	
	M 10:00am - 12:50pm	PLS 1172	

LARC471 **Capstone Studio: Community Design**

LARC471 *(PermReq)* **Capstone Studio: Community Design; (5 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: LARC440; and LARC470. Restriction: Senior standing; and must be in Landscape Architecture program. A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

0101	Victoria Chanse	Seats (Total: 15)	
	TuTh 1:00pm - 1:50pm	PLS 2148	
	TuTh 2:00pm - 4:45pm	PLS 2148	Lab

LARC489E **Special Topics in Landscape Architecture; Planting Design**

LARC489E Special Topics in Landscape Architecture: Planting Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ann Anderson	Seats (Total: 30)
	F 9:00am - 11:50am	PLS 0104

LARC489T **Special Topics in Landscape Architecture; Seminars in Plant Science and Landscape Architecture**

LARC489T Special Topics in Landscape Architecture: Seminars in Plant Science and Landscape Architecture; (1 credit) Grade Method: REG/P-F/AUD.
Also offered as PLSC489T.

0101	David Myers	Seats (Total: 20)
	W 11:00am - 11:50am	PLS 1111

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC641 **Graduate Studio II**

LARC641 *(PermReq)* **Graduate Studio II; (5 credits)** Grade Method: REG/AUD. *Prerequisite: LARC640. Corequisite: LARC720. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.* Principles and techniques of site analysis, environmental design and site development for human settlements and interaction with natural systems. Will expand analytical skills through complex site design problems. Students will research, observe and apply low impact development and sustainable practices, become familiar with building and landscape types by investigating alternative arrangements on the land, and understand user needs and design for populations with a range of abilities. Will support LEED and sustainable practices and acknowledge the requirements of public health, safety, and welfare.

0101	Dennis Nola	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC648 **Graduate Studio IV**

LARC648 Graduate Studio IV; (5 credits) Grade Method: REG/AUD.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2154	
	TuTh 2:00pm - 4:50pm	PLS 2154	Lab

LARC663 **Landscape and Garden History**

LARC663 *(PermReq)* **Landscape and Garden History; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. History of garden making and its evolution into design practice. Students will become familiar with narratives of garden art and landscape architecture through the study of selected key sites, designers, and visual written sources. A focus on gardens' past and afterlife; the nature of primary sources (both built and written), and how these can be evaluated and used. Primary sources will be drawn from several disciplines and include a wide array of genres: treatises, epistolary exchanges, tax returns, novels, poems, paintings and drawings.

0101	Kelly Cook	Seats (Total: 10)	
	W 2:00pm - 4:50pm	PLS 1144	

LARC671 **Landscape Architecture Research Methods**

LARC671 Landscape Architecture Research Methods; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Investigation and discussion of broad scope of research methods and the development of landscape design and planning research techniques and skills. The urban environment will be viewed primarily as a social and psychological environment, with concern for who uses these environments and the conflicts that can arise between user groups.

0101	Victoria Chanse	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 1119	

LARC699 **Independent Studies in Landscape and Architecture**

LARC699 *(PermReq)* **Independent Studies in Landscape and Architecture; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC720 **Environmental Analysis and Site Engineering**

LARC720 *(PermReq)* **Environmental Analysis and Site Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: LARC640; or permission of AGNR-Plant Science & Landscape Architecture department. Corequisite: LARC641. Techniques for prediction of alterations in social and natural processes brought about by human use of the land; application of such assessments to environmental management; basic methods of landscape alteration, augmentation, and control including grading, drainage, road and trail design, and stormwater management.

0101	John Leonard	Seats (Total: 10)	
	W 8:00am - 9:50am	PLS 1142	
	W 10:00am - 11:50am	PLS 1142	Lab

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies Spring 2014

LASC235 **Issues in Latin American Studies II**

LASC235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN235, PORT235. Credit only granted for: LASC235, SPAN235, or PORT235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Shari Orisich TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104
0102	David Freund Contact instructor or department for details.	Seats (Total: 0)
0201	Shari Orisich MW 11:00am - 12:15pm	Seats (Total: 35) KEY 0125

LASC235H **Issues in Latin American Studies II**

LASC235H Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN235, PORT235. Credit only granted for: LASC235, SPAN235, or PORT235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Shari Orisich	Seats (Total: 5)	
	TuTh 11:00am - 12:15pm	SKN 0104	

LASC348B **Special Topics in Latin American Studies; Exploring Cultural Representations of Brazil**

LASC348B Special Topics in Latin American Studies: Exploring Cultural Representations of Brazil; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as PORT388B.

0101	Talia Guzman-Gonzalez	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	KEY 0125	

LASC448L **Special Topics in Latin American Studies; Conversation and Indigenous Peoples in South America**

LASC448L Special Topics in Latin American Studies: Conversation and Indigenous Peoples in South America; (3 credits) Grade Method: REG.
Also offered as ANTH468L. Credit granted for ANTH468L, LASC448L, or ANTH688L.

0101	Janet Chernela	Seats (Total: 20)	
	M 6:00pm - 8:45pm	WDS 1114	

LATN Latin Spring 2014

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
Additional information: A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Eric Adler	Seats (Total: 25)	
	MWF 10:00am - 10:50am	ARM 0118	
	W 9:00am - 9:50am	ARM 0118	Discussion

LATN102 **Elementary Latin II**
Contact department for information to register for this course.

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.

0101	Eric Adler	Seats (Total: 25)
	MW 2:00pm - 3:50pm	MMH 1218

LATN351 **Horace and Catullus**

LATN351 Horace and Catullus; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN201; or students who have taken courses with comparable content may contact the department. Readings are in Latin.

0101	Judith Hallett	Seats (Total: 15)
	Th 5:00pm - 7:40pm	MMH 1218

LATN415 **Vergil's Aeneid**

LATN415 Vergil's Aeneid; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: LATN305. Vergil's Aeneid: readings of selections in Latin and of the entire epic in English translation along with critical essays.

0101	Instructor: TBA	Seats (Total: 10)
	M 5:00pm - 7:40pm	KEY 1117

LATN488J **Latin Readings; Lucan**

LATN488J Latin Readings: Lucan; (3 credits) Grade Method: REG/P-F/AUD.

0101	Francisco Barrenechea	Seats (Total: 10)
	W 5:00pm - 7:40pm	MMH 1218

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN605 **Vergil**

LATN605 Vergil; (3 credits) Grade Method: REG/AUD.
A study of Vergil's development as a literary artist and Augustan poet through readings in the Eclogues, Georgics, and Aeneid.

0101	Instructor: TBA	Seats (Total: 10)
	M 5:00pm - 7:40pm	KEY 1117

LATN688J **Special Topics in Latin Literature; Lucan**

LATN688J Special Topics in Latin Literature: Lucan; (3 credits) Grade Method: REG/AUD.

0101	Francisco Barrenechea	Seats (Total: 10)
	W 5:00pm - 7:40pm	MMH 1218

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Spring 2014

LBSC602 **Serving Information Needs**

LBSC602 Serving Information Needs; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC602, or both LBSC601 and LBSC650. An introduction to the skills necessary to interact directly with individuals through the exploration of user behavior theory, strategies to locate and evaluate information from print and electronic resources, and policies and procedures to ensure that all individuals can become information literate.

0101	Mary Choquette Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0103
0201	Julie Strange Class time/details on ELMs	Seats (Total: 25) ONLINE

LBSC622 **Information and Universal Usability**

LBSC622 Information and Universal Usability; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

0101	Mega Subramaniam M 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

LBSC631 **Achieving Organizational Excellence**

LBSC631 Achieving Organizational Excellence; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC631 or LBSC635. Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.

0101	Gary White Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 2119
0201	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 25) ONLINE

LBSC640 **School Librarians as Information Professionals**

LBSC640 School Librarians as Information Professionals; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies; and permission of instructor. Credit only granted for: LBSC640 or LBSC643. Formerly: LBSC643. Foundational concepts in information studies and in school library programs and services. Current and evolving educational systems; roles and functions of school librarians within them.

ML01	Mega Subramaniam	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LBSC647 **Children's Services in the Public Library**

LBSC647 Children's Services in the Public Library; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Public library services for children from birth to 12 years of age. Developmental characteristics and information needs of children. Programming and collection development. Management of children's services, including planning, staffing, and advocacy.

0101	Maralita Freeny	Seats (Total: 30)
	Tu 5:30pm - 8:15pm	HBK 0105

LBSC671 **Creating Information Infrastructures**

LBSC671 Creating Information Infrastructures; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC671, or LBSC670 and LBSC690. Foundations of acquiring and managing collections, information structures, indexing and discovery systems needed by information professionals. An introduction to the theoretical concepts, trends, systems, and technologies central to the information field.

0101	Douglas Oard	Seats (Total: 30)
	M 5:30pm - 8:15pm	HBK 2119

0201	Katy Lawley Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119
ML01	Erik Mitchell Class time/details on ELMs *Restricted to LBSO students only.*	Seats (Total: 25) ONLINE
ML02	Erik Mitchell Class time/details on ELMs *Restricted to E-Government students only.*	Seats (Total: 25) ONLINE

LBSC680 **Principles of Records and Information Management**

LBSC680 Principles of Records and Information Management; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Principles and practices of managing records in the context of information management programs in government, corporate and other institutional settings. Includes access; legal requirements; digital technologies; and creation, administration, appraisal, and retention and disposition of records.

0101	Paul Wester Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109

LBSC702 **User Instruction**

LBSC702 User Instruction; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Critical analysis of the rationale, content, and processes of user instruction in library and information settings.

SG01	Carol Wittig Sa 9:30am - 12:15pm	Seats (Total: 25) BLD3 2225

LBSC703 **Field Study in Archives, Records and Information Management**

LBSC703 Field Study in Archives, Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies. Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

0101	Michael Kurtz Tu 9:30am - 12:15pm	Seats (Total: 25) HBK 2119

LBSC706 **Seminar in International and Comparative Librarianship and Information Science**

LBSC706 Seminar in International and Comparative Librarianship and Information Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Comparison and contrast of bibliographic systems, institutions, service arrangements, and professional patterns in developed and developing cultures. Libraries, information organizations, and international information systems viewed against the backdrop of national cultures. Influences of social, political, and economic factors upon these forms.

0101	Wendy Simmons W 2:00pm - 4:45pm	Seats (Total: 20) WDS 1127

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies. Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

0101	Mary Choquette Tu 2:00pm - 4:45pm Contact instructor or department for details.	Seats (Total: 25) EGR 1110
SG01	Diane Barlow Th 6:00pm - 8:45pm	Seats (Total: 20) BLD3 3203

LBSC708O **Special Topics in Information Studies; Genealogy Resources**

LBSC708O Special Topics in Information Studies: Genealogy Resources; (3 credits) Grade Method: REG/AUD.

SG01	Mary Mannix W 6:00pm - 8:45pm	Seats (Total: 10) BLD3 3242

LBSC708X **Special Topics in Information Studies; E-Discovery**

LBSC708X Special Topics in Information Studies: E-Discovery; (1-3 credits) Grade Method: REG/AUD.

0101	Jason Baron Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

LBSC713 Planning and Evaluating Library Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods.

0101	Martha Kyrillidou Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 1112

LBSC723 **Advocacy and Support for Information Services**

LBSC723 Advocacy and Support for Information Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Role and influence of government, foundations, associations, and other organizations in supporting and setting the agenda for information services of all types. Role of information professionals in demonstrating advocacy, fund-raising, public relations, lobbying, and seeking external support.

0101	Lynne Bradley M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0103

LBSC735 **Legal Issues in Managing Information**

LBSC735 Legal Issues in Managing Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Legal issues related to collecting, maintaining, and providing access to information materials. Includes ownership, copyright, privacy, freedom of information, and related issues in archives, libraries and other settings.

0101	Corey Williams M 5:30pm - 8:15pm	Seats (Total: 35) HBK 1112

LBSC737 **Seminar in the Special Library and Information Center**

LBSC737 Seminar in the Special Library and Information Center; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC601, LBSC690, LBSC670, and LBSC650; or permission of instructor. Role of special libraries and information centers in the information transfer process. Analysis of the information transfer system; information needs and uses; management of special libraries and information centers; and types of libraries, such as governmental or industrial libraries, archives, and information analysis centers.

SG01	Nancy Roderer Tu 6:00pm - 8:45pm	Seats (Total: 30) BLD3 3242

LBSC741 **Seminar in School Library Administration**

LBSC741 Seminar in School Library Administration; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640; and permission of INFO-College of Information Studies. Development, management, and evaluation of school library programs at all levels.

SG01	Gail Bailey W 6:00pm - 8:45pm	Seats (Total: 20) BLD3 4202

LBSC744 **Internship in School Library**

LBSC744 Internship in School Library; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640, LBSC742, and LBSC741. Restriction: Permission of instructor. Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians.

SG01	Sheri Massey Sa 9:30am - 12:15pm	Seats (Total: 25) BLD3 3225

LBSC767 **Access to Federal Government Information**

LBSC767 Access to Federal Government Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC650. Research methods, information needs, information production and structure, information sources and services, and selection policies related to federal government information.

SG01	Instructor: TBA Class time/details on ELMs	Seats (Total: 20) ONLINE

LBSC770 **Bibliographic Control**

LBSC770 Bibliographic Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC670. Problems and current issues in bibliographic control. Study and use of subject heading lists, thesauri, classification schemes, cataloging standards, and bibliographic utilities.

0101	Taverekere Srikantaiah Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 4113

LBSC781 **Access Techniques and Systems for Archives**

LBSC781 Access Techniques and Systems for Archives; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC605. Methods, approaches, and systems to locate, access, and use archival records, including systems analysis, control systems. researcher services, descriptive formats and techniques, and the use of digital technologies and the Internet for accessing archival records.

0101	Kenneth Heger W 2:00pm - 4:45pm	Seats (Total: 30) HBK 0115

LBSC785 **Documentation, Collection, and Appraisal of Records**

LBSC785 Documentation, Collection, and Appraisal of Records; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605; or permission of instructor. Development of documentation strategies and plans; collecting policies to guide programs in acquiring records; theories and techniques for appraising records to identify those with continuing value.

0101	Ricardo Punzalan M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

LBSC786 **Library and Archives Preservation**

LBSC786 Library and Archives Preservation; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Literature and key issues in the preservation of archival and library materials. The development of preservation programs and the establishment and maintenance of effective management techniques. The nature of the materials from which archives and books are made, causes of damage and deterioration, binding structures and environmental concerns will be discussed within the context of general archives and libraries administration.

0101	Doris Hamburg Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

LBSC789A **Special Topics in Contemporary Archives; Seminar in Modern Archives**

LBSC789A Special Topics in Contemporary Archives: Seminar in Modern Archives; (3 credits) Grade Method: REG/AUD.

0101	Michael Kurtz Th 5:30pm - 8:15pm	Seats (Total: 20) HBK 0103

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies Spring 2014

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: LGBT200. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	JV Sapinoso MW 12:30pm - 1:45pm	Seats (Total: 40) SQH 1121
0201	JV Sapinoso TuTh 2:00pm - 3:15pm	Seats (Total: 40) MTH B0421

LGBT265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

LGBT265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.* Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	Rachel Penman	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1105

LGBT327 **Lesbian, Gay, Bisexual, and Transgender Film and Video**

LGBT327 Lesbian, Gay, Bisexual, and Transgender Film and Video; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people. Also offered as ENGL359F.

0101	James Goodwin	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	ITV 1100

LGBT359K **Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures; Sexual Poetics**

LGBT359K Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures: Sexual Poetics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379K.

0101	Martha Nell Smith, Jason Rudy	Seats (Total: 56)
	TuTh 3:30pm - 4:45pm	TWS 1100

LGBT359M **Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures; Queer Comedy**

LGBT359M Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures: Queer Comedy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL359C. Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

0101	Martha Nell Smith	Seats (Total: 28)
	TuTh 2:00pm - 3:15pm	TWS 0236

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Cultural Competency. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448A **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; HIV/AIDS: Politics, Culture, and Science**

LGBT448A Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: HIV/AIDS: Politics, Culture, and Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.

0101	Instructor: TBA	Seats (Total: 30)
	MW 3:30pm - 4:45pm	HBK 0105

LGBT448E **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Asian American Sexualities**

LGBT448E Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Also offered as AAST498E AMST418T, and WMST498C. Credit granted for one of the following: AAST498E, AMST418T, LGBT448E or WMST498C. Focuses on the concepts of race, class, gender and sexuality and their intersections. It exposes students to theories on sex, gender, sexuality, ethnicity and race as connected to Asian Pacific American identities and communities.

0101	Jeannette Soon-Ludes	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1101

LGBT488A **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies; Race, Sexuality, and the Transnational**

LGBT488A *(PermReq)* **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies: Race, Sexuality, and the Transnational; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Christina Hanhardt	Seats (Total: 12)
	MW 2:00pm - 3:15pm	JMZ 3205

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Spring 2014

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Margaret Antonisse MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 MMH 0108	 Discussion
0104	Margaret Antonisse MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) MMH 1400 ARM 0103	 Discussion
0105	Margaret Antonisse MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 30) MMH 1400 MMH 0108	 Discussion
0106	Margaret Antonisse MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) MMH 1400 MMH 0108	 Discussion
0107	Margaret Antonisse MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 MMH 0108	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Additional information: Required for Linguistics majors and recommended for students in related fields. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Michael Gagnon TuTh 11:00am - 12:15pm	Seats (Total: 15) ARM 0101
0201	Michael Gagnon TuTh 2:00pm - 3:15pm	Seats (Total: 15) PLS 1162

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Thomas Grano TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 0103

LING312 **Syntax II**

LING312 Syntax II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Continuation of LING311. Development of theories of syntax. Criteria for revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

0101	Norbert Hornstein TuTh 11:00am - 12:15pm	Seats (Total: 25) MMH 3418

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Tess Wood	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMP 1202

LING322 **Phonology II**

LING322 Phonology II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING321. Continuation of LING321. Further investigation of phonological phenomena and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

0101	Yee Lai	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 3418

LING410 **Grammar and Meaning**

LING410 Grammar and Meaning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor; or LING311. The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

0101	Alexander Williams	Seats (Total: 25)
	TuTh 9:30am - 10:45am	MMH 3418

LING419F **Topics in Syntax; Comparative Syntax and Language Acquisition**

LING419F Topics in Syntax: Comparative Syntax and Language Acquisition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite LING312 or LING444. Every dimension along which languages vary presents a puzzle to both the linguist and the language learner. Our theories of universal grammar must be flexible to accommodate language variation, and the child must have some way to "decide" what kind of language they have to learn. This course will survey classic papers in comparative syntax, specifically looking at the pro-drop parameter, wh-movement parameters, and phrase structure parameters. Additionally, we will discuss methodological issues surrounding "parameters" and their repercussions for the language learner, and the explanatory power of comparative syntax from various perspectives.

0101	Dustin Chacon	Seats (Total: 10)
	MW 2:00pm - 3:15pm	SKN 1112

LING419G **Topics in Syntax; Comparative Syntax: Japanese and Other languages**

LING419G Topics in Syntax: Comparative Syntax: Japanese and Other languages; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311 This seminar discusses various issues in natural language syntax, looking at Japanese and comparing it with other languages. In particular, we will focus on topics such as configurationality, binding,scrambling, passivization, raising/ECM constructions, dative subject constructions, and pro drop.

0101	Sayaka Funakoshi	Seats (Total: 10)
	MW 12:00pm - 1:15pm	TYD 2102

LING440 **Grammars and Cognition**

LING440 Grammars and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING321 and LING311. Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interpretations of experimental and observational work on children's language, aphasia, speech production and comprehension.

0101	Ellen Lau	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	MMH 3418

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499C **Directed Studies in Linguistics; Teaching Assistantship**

LING499C Directed Studies in Linguistics: Teaching Assistantship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Margaret Antonisse	Seats (Total: 4)
	Contact instructor or department for details.	

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING611 **Issues in Syntax**

LING611 Issues in Syntax; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING610. Topics of current theoretical interest examined through data from a variety of languages.

0101	Howard Lasnik	Seats (Total: 15)
	Tu 2:00pm - 5:00pm	MMH 1108B

LING621 **Issues in Phonology**

LING621 Issues in Phonology; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING620. Topics of current interest in phonological theory examined through data from several languages.

0101	William Idsardi	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 3118

LING641 **Issues in Psycholinguistics**

LING641 Issues in Psycholinguistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING640.* Topics of current interest in psycholinguistics, including both theoretical approaches and experimental and analytical issues in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips	Seats (Total: 15)
	MW 12:00pm - 1:30pm	MMH 1108B

LING661 **Issues in Semantics**

LING661 Issues in Semantics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING660; or permission of ARHU-Linguistics department.* A second course in semantic theory. Application of basic concepts and methods to topics of current theoretical interest.

0101	Valentine Hacquard	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	MMH 1401G

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD. Click here for more course information.

0101	Howard Lasnik	Seats (Total: 2)
	F 2:00pm - 4:00pm	KEY 0102

LING773 **Computational Linguistics II**

LING773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as: CMSC773. Formerly: LING647.* Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik	Seats (Total: 30)
	W 1:30pm - 4:00pm	WDS 0104

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819B **Seminar in Syntactic Theory; Theories of Syntax and Computation**

LING819B Seminar in Syntactic Theory: Theories of Syntax and Computation; (3 credits) Grade Method: REG/AUD.

0101	William Idsardi, Norbert Hornstein	Seats (Total: 15)
	W 5:00pm - 8:00pm	MMH 1108B

LING848I **Seminar in Computational Linguistics; Linguistic Prediction: Brains Versus Machines**

LING848I Seminar in Computational Linguistics: Linguistic Prediction: Brains Versus Machines; (3 credits) Grade Method: REG/AUD.
Much recent work in cognitive neuroscience demonstrates that brains are engaged in predicting future input, such as upcoming words in a speech or text stream. Thirty years of research in language modeling attempts to do the same thing computationally, using models that capture various aspects of language: local configurations (n-gram models), syntactic constraints or semantic preferences. These are implemented variously as lookup-tables, parsers, recurrent neural networks, etc. This course is about understanding both sides of the prediction task: both how the brain does it, what aspects are most salient to the brain, and how this connects with computational models designed to capture various linguistic structures.

0101	Hal Daume, Ellen Lau, Naomi Feldman	Seats (Total: 15)
	M 2:00pm - 4:30pm	MMH 1108B

LING879 **Seminar in Semantics; Seminar in Semantics:**

LING879 Seminar in Semantics: Seminar in Semantics:; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski	Seats (Total: 15)
	W 10:30am - 1:00pm	SKN 1116

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech — Spring 2014

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**
Contact department for information to register for this course.

MAIT699 **Independent Masters Project**

MAIT699 Independent Masters Project; (1-3 credits) Grade Method: REG/AUD.

0101	John Benedetto Contact instructor or department for details.	Seats (Total: 5)
0102	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 1)
0501	John Benedetto Contact instructor or department for details.	Seats (Total: 10)

0902	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 10)
2911	Andrew Kebo Contact instructor or department for details.	Seats (Total: 5)

MATH Mathematics Spring 2014

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F.
A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. Students must pay a special math fee.

0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 30) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 17) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 22) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 17) COL 0104

MATH010 **Algebra for MATH 110**

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Ben Bezejouh	Seats (Total: 22)
	MTuWThF 10:00am - 10:50am	ARM 0101

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential, logarithm functions, and trigonometry. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti	Seats (Total: 25)
	MTuWThF 11:00am - 11:50am	ARM 0116

1201	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential, logarithm functions and trigonometry. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Kimberly Fouche MTuWThF 9:00am - 9:50am	Seats (Total: 20) ARM 0119
1201	Marguerite Jarchow MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0119

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH110 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH220, MATH130, or MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 25) MTH B0423
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH B0423
0301	Patrick Daniels MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0102
0401	Patrick Daniels MWF 2:00pm - 2:50pm	Seats (Total: 25) MTH 0102
1101	Ben Bezejouh MTuWThF 10:00am - 10:50am	Seats (Total: 22) ARM 0101

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH111 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Minsung Kim MWF 1:00pm - 1:50pm	Seats (Total: 20) ARM 0110	
0102	Jinhang Xue MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0411	
0103	Chen Dong MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0407	
0104	Sahil Chopra MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0101	
0201	Minsung Kim MWF 2:00pm - 2:50pm	Seats (Total: 20) ARM 0110	
0202	Jinhang Xue MWF 2:00pm - 2:50pm	Seats (Total: 20) MTH 0411	
0203	Chen Dong MWF 2:00pm - 2:50pm	Seats (Total: 20) MTH 0407	
0204	Sahil Chopra MWF 2:00pm - 2:50pm	Seats (Total: 20) MTH 0101	
0311	William Schildknecht MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 20) ARM 0131 ARM 0103	 Discussion

0321	William Schildknecht MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 20) ARM 0131 ARM 0103	 Discussion
0331	William Schildknecht MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 20) ARM 0131 ARM 0103	 Discussion
0341	William Schildknecht MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) ARM 0131 ARM 0103	 Discussion

MATH113 **College Algebra and Trigonometry**

MATH113 College Algebra and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH113 or higher. Restriction: Must not have completed MATH220, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH140 or MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH110, MATH112, or MATH115. Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

0101	Jacqueline Stone MWF 10:00am - 10:50am	Seats (Total: 30) ARM 0117	
0102	Stephanie Young MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0306	
0103	Stefan Poikonen MWF 10:00am - 10:50am	Seats (Total: 30) MTH B0429	
0104	Michael Kreisel MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0105	
0105	Madhura Joglekar MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0302	

0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 30) ARM 0117	
0202	Stephanie Young MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0306	
0203	Stefan Poikonen MWF 11:00am - 11:50am	Seats (Total: 30) MTH B0429	
0204	Michael Kreisel MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0105	
0205	Madhura Joglekar MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0302	
1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 22) ARM 0116	
1201	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0116	

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113. Preparation for MATH220, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH 220 or MATH 140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or TI-83+ calculator. If purchasing used books additional software may be required.

0111	Frances Gulick MW 9:00am - 9:50am MWF 10:00am - 10:50am	Seats (Total: 25) ARM 0135 ARM 0112	 Discussion

0121	Frances Gulick MW 9:00am - 9:50am MWF 11:00am - 11:50am	Seats (Total: 25) ARM 0135 ARM 0112	 Discussion
0131	Frances Gulick MW 9:00am - 9:50am MWF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0135 ARM 0112	 Discussion
0141	Frances Gulick MW 9:00am - 9:50am MWF 1:00pm - 1:50pm	Seats (Total: 25) ARM 0135 ARM 0112	 Discussion
0151	Frances Gulick MW 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 25) ARM 0135 ARM 0112	 Discussion
0161	Frances Gulick MW 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 25) ARM 0135 ARM 0112	 Discussion
1101	Kimberly Fouche MTuWThF 9:00am - 9:50am	Seats (Total: 22) ARM 0119	
1201	Marguerite Jarchow MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0119	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH112; or minimum grade of C- in MATH113; or minimum grade of C- in MATH115; or permission of CMNS undergraduate program office. Restriction: Must be in a major in CMNS-Biological Sciences UG Program; and not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Casey Cremins TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 31) ARM 0131 MTH 0101	Discussion
0121	Casey Cremins TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 31) ARM 0131 MTH 0101	Discussion
0131	Casey Cremins TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 31) ARM 0131 MTH 0101	Discussion
0132	Casey Cremins TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 31) ARM 0131 MTH 0103	Discussion
0141	Casey Cremins TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 31) ARM 0131 MTH 0101	Discussion
0142	Casey Cremins TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 31) ARM 0131 MTH 0103	Discussion

MATH131 **Calculus II for Life Sciences**

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH130; or minimum grade of C- in MATH140. Restriction: Must be in a major in CMNS-Biological Sciences UG Program. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Instructor: TBA TuTh 9:30am - 10:45am WF 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0303	Discussion

0112	Instructor: TBA TuTh 9:30am - 10:45am WF 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
0121	Instructor: TBA TuTh 9:30am - 10:45am WF 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0303	Discussion
0122	Instructor: TBA TuTh 9:30am - 10:45am WF 9:00am - 9:50am	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
0131	Instructor: TBA TuTh 9:30am - 10:45am WF 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0303	Discussion
0132	Instructor: TBA TuTh 9:30am - 10:45am WF 12:00pm - 12:50pm	Seats (Total: 30) ARM 0131 MTH 0305	Discussion
0141	Instructor: TBA TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 31) ARM 0131 MTH 0303	Discussion
0142	Instructor: TBA TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 31) ARM 0131 MTH 0305	Discussion

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH130, MATH220, or MATH140. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required.

0111	Instructor: TBA MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0407	Discussion
0112	Amin Gholampour MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0113	Amin Gholampour MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0135 CSI 3118	Discussion
0121	Instructor: TBA MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0122	Amin Gholampour MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0123	Amin Gholampour MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 CSI 3118	Discussion
0131	Amin Gholampour MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0105	Discussion

0132	Amin Gholampour MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0141	Amin Gholampour MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 25) ARM 0135 MTH 0104	Discussion
0142	Amin Gholampour MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
0211	Renjie Feng MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 25) ARM 0131 MTH B0425	Discussion
0212	Renjie Feng MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 24) ARM 0131 MTH 0104	Discussion
0221	Renjie Feng MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 24) ARM 0131 MTH B0425	Discussion
0222	Renjie Feng MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0104	Discussion
0231	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 24) ARM 0131 MTH B0425	Discussion
0232	Renjie Feng MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 24) ARM 0131 MTH 0104	Discussion
0241	Instructor: TBA MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 24) ARM 0131 MTH B0425	Discussion

0242	Renjie Feng MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 24) ARM 0131 MTH 0104	 Discussion
0301	Jonathan Fernandes MTuWF 11:00am - 11:50am	Seats (Total: 25) CHM 0124	

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. In addition to the lectures, there will be 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 0103	 Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 0302	 Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 24) PHY 1412 MTH 0303	 Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0103	 Discussion

0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 24) PHY 1412 MTH 0303	Discussion
0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) PHY 1412 MTH 0103	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 24) PHY 1412 MTH 0302	Discussion
0201	Paul Koprowski MTuWF 8:00am - 8:50am	Seats (Total: 29) EGR 0108	
0211	Frances Gulick MWF 10:00am - 10:50am TuTh 8:00am - 9:20am	Seats (Total: 25) ARM 0126 MTH 0101	Discussion
0212	Frances Gulick MWF 10:00am - 10:50am TuTh 8:00am - 9:20am	Seats (Total: 25) ARM 0126 MTH 0306	Discussion
0213	Instructor: TBA MWF 10:00am - 10:50am TuTh 8:00am - 9:20am	Seats (Total: 25) ARM 0126 MTH 0102	Discussion
0221	Frances Gulick MWF 10:00am - 10:50am TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0101	Discussion
0222	Frances Gulick MWF 10:00am - 10:50am TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0306	Discussion

0223	Frances Gulick MWF 10:00am - 10:50am TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0102	Discussion
0231	Instructor: TBA MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0411	Discussion
0232	Frances Gulick MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0306	Discussion
0301	Paul Koprowski MTuWF 9:00am - 9:50am	Seats (Total: 30) EGR 0108	
0311	Bradford Sanders MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0135 MTH 0105	Discussion
0312	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0135 MTH B0429	Discussion
0313	Bradford Sanders MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0135 MTH 0305	Discussion
0321	Bradford Sanders MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH 0105	Discussion
0322	Instructor: TBA MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH B0429	Discussion
0323	Bradford Sanders MWF 12:00pm - 12:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0135 MTH 0305	Discussion

0331	Bradford Sanders MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH B0429	Discussion
0332	Bradford Sanders MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0135 MTH 0305	Discussion
0411	Elizabeth Wilson, Paul Koprowski MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0407	Discussion
0412	Paul Koprowski, Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0403	Discussion
0413	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0409	Discussion
0421	Paul Koprowski, Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0407	Discussion
0422	Paul Koprowski, Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0403	Discussion
0423	Elizabeth Wilson, Paul Koprowski MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0409	Discussion
0431	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0126 MTH 0407	Discussion
0432	Elizabeth Wilson, Paul Koprowski MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0126 MTH 0403	Discussion

MATH141H Calculus II

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. For general honors students only. TI graphics calculator required. Instructor will use TI-83, TI-83+ or TI-86 calculator.

0101	David Hamilton MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 20) MTH 0307 MTH B0425

MATH199A **Special Topics in Mathematics**

MATH199A Special Topics in Mathematics; (3 credits) Grade Method: REG/P-F/AUD.

1901	Denny Gulick Contact instructor or department for details.	Seats (Total: 10)

MATH199B **Special Topics in Mathematics; Special Topics in Pre-Calculus**

MATH199B Special Topics in Mathematics: Special Topics in Pre-Calculus; (3 credits) Grade Method: REG.

1901	Denny Gulick Contact instructor or department for details.	Seats (Total: 10)

MATH206 **Introduction to Matlab**

MATH206 Introduction to Matlab; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.* This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

0101	Justin Wyss-Gallifent **Meets January 27, 2014 - March 4, 2014** Class time/details on ELMs	Seats (Total: 350) ONLINE

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH212 or MATH210. Reviews and extends topics of arithmetic and number theory related to the elementary school curriculum, particularly number systems and operations with natural numbers, integers, and rationals.

0101	Rebecca Black MWF 8:00am - 8:50am	Seats (Total: 20) MTH B0423
0201	Rebecca Black MWF 9:00am - 9:50am	Seats (Total: 25) MTH B0423
0401	Clarice Glowacki MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH 0106
0501	Clarice Glowacki MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0103

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH213. Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Dana-Adriana Botesteanu MWF 10:00am - 10:50am	Seats (Total: 20) MTH 0201
0201	Karen McLaren MWF 11:00am - 11:50am	Seats (Total: 25) MTH 0201
0401	Karen McLaren MWF 12:00pm - 12:50pm	Seats (Total: 26) MTH 0201

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH214. Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 8:00am - 8:50am	Seats (Total: 20) MTH 0302
0201	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 22) MTH 0302

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: MATH112, MATH113, or MATH115. Or must have math eligibility of MATH220 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140. Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Kimberly Fouche MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH B0425	Discussion
0112	Kimberly Fouche MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0121	Kimberly Fouche MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH B0425	Discussion
0122	Kimberly Fouche MWF 8:00am - 8:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0131	Kimberly Fouche MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH B0425	Discussion
0132	Kimberly Fouche MWF 8:00am - 8:50am Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0141	Kimberly Fouche MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH B0425	Discussion
0142	Kimberly Fouche MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion

0211	Bradford Sanders MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0425	Discussion
0212	Bradford Sanders MWF 2:00pm - 2:50pm Th 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH B0427	Discussion
0221	Bradford Sanders MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion
0222	Bradford Sanders MWF 2:00pm - 2:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0231	Bradford Sanders MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion
0232	Bradford Sanders MWF 2:00pm - 2:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0241	Bradford Sanders MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH B0425	Discussion
0242	Bradford Sanders MWF 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH B0427	Discussion
0311	Timothy Pilachowski TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0312	Timothy Pilachowski TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH 0401	Discussion

0321	Timothy Pilachowski TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH B0425	Discussion
0322	Timothy Pilachowski TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0331	Timothy Pilachowski TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH B0425	Discussion
0332	Timothy Pilachowski TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0341	Timothy Pilachowski TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH B0425	Discussion
0342	Timothy Pilachowski TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH 0401	Discussion

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH130, or MATH140. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH131, MATH141, or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0101	Oliver Rourke MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0306	
0201	Oliver Rourke MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0306	

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	Raluca Rosca MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 26) ARM 0131 MTH B0427	Discussion
0112	Raluca Rosca MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 26) ARM 0131 MTH B0423	Discussion
0113	Raluca Rosca MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 26) ARM 0131 CHM 0124	Discussion
0121	Raluca Rosca MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 26) ARM 0131 MTH B0427	Discussion
0122	Raluca Rosca MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 26) ARM 0131 MTH B0423	Discussion
0123	Raluca Rosca MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 26) ARM 0131 SYM 0215	Discussion
0131	Raluca Rosca MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 26) ARM 0131 MTH B0423	Discussion
0132	Instructor: TBA MWF 11:00am - 11:50am TuTh 2:00pm - 2:50pm	Seats (Total: 26) ARM 0131 MTH 0106	Discussion

0141	Raluca Rosca MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 26) ARM 0131 MTH B0423	Discussion
0142	Instructor: TBA MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 26) ARM 0131 MTH 0106	Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340.* Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0112	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0304	Discussion
0113	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 1308	Discussion
0121	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0122	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0304	Discussion
0123	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 1308	Discussion

0131	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0132	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0304	Discussion
0141	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0142	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0304	Discussion
0211	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0105	Discussion
0212	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH 0106	Discussion
0221	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0105	Discussion
0222	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH 0106	Discussion
0231	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0101	Discussion
0232	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 MTH 0103	Discussion

0241	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 25) ARM 0126 MTH 0101	Discussion
0242	Melissa Macasieb MWF 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 25) ARM 0126 MTH 0103	Discussion
0311	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH 0307	Discussion
0312	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH 0305	Discussion
0321	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 9:30am - 10:20am	Seats (Total: 26) ARM 0135 MTH 0307	Discussion
0331	Tobias von Petersdorff MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 26) ARM 0135 MTH 0303	Discussion
0341	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:20pm	Seats (Total: 26) ARM 0135 MTH 0307	Discussion
0351	Instructor: TBA MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 20) ARM 0135 MTH 0307	Discussion

MATH241H **Calculus III**

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340.* Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. For general honors students only. MATH 241H will use MATLAB.

0101	Timothy Pilachowski MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 22) MTH 0104 MTH 0104	
0201	Dragomir Saric MF 10:00am - 10:50am W 10:00am - 11:50am	Seats (Total: 20) MTH 0307 MTH 0304	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Matei Machedon MWF 11:00am - 11:50am Tu 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0403	Discussion
0112	Matei Machedon MWF 11:00am - 11:50am Tu 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0113	Matei Machedon MWF 11:00am - 11:50am Tu 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 1313	Discussion
0121	Matei Machedon MWF 11:00am - 11:50am Tu 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0403	Discussion
0122	Matei Machedon MWF 11:00am - 11:50am Tu 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0123	Matei Machedon MWF 11:00am - 11:50am Tu 9:00am - 9:50am	Seats (Total: 25) ARM 0126 CHM 0127	Discussion

0131	Matei Machedon MWF 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0403	Discussion
0132	Matei Machedon MWF 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0141	Matei Machedon MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0102	Discussion
0142	Matei Machedon MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0211	Terence Long, Elizabeth Wilson MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0403	Discussion
0212	Terence Long, Elizabeth Wilson MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0213	Terence Long, Elizabeth Wilson MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH 1313	Discussion
0221	Elizabeth Wilson, Terence Long MWF 1:00pm - 1:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0403	Discussion
0222	Elizabeth Wilson, Terence Long MWF 1:00pm - 1:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0223	Elizabeth Wilson, Terence Long MWF 1:00pm - 1:50pm Th 9:00am - 9:50am	Seats (Total: 29) ARM 0126 HBK 1108	Discussion

0231	Elizabeth Wilson, Terence Long MWF 1:00pm - 1:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0403	Discussion
0232	Elizabeth Wilson, Terence Long MWF 1:00pm - 1:50pm Th 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0241	Terence Long, Elizabeth Wilson MWF 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0102	Discussion
0242	Elizabeth Wilson, Terence Long MWF 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0201	Discussion
0311	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0312	Ronald Lipsman TuTh 9:30am - 10:45am W 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion
0321	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0322	Ronald Lipsman TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion
0331	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion
0332	Ronald Lipsman TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion

0341	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0407	 Discussion
0342	Ronald Lipsman TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0409	 Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. For general honors students only. MATH 246H will use MATLAB.

0101	Kelly Yancey TuTh 9:30am - 10:45am	Seats (Total: 30) ARM 0105
0201	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 30) MTH B0429

MATH299A **Selected Topics in Mathematics**

MATH299A Selected Topics in Mathematics; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

MATH310 **Introduction to Mathematical Proof**

MATH310 Introduction to Mathematical Proof; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: Corequisite: MATH241 or MATH340. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Steve Halperin MWF 9:00am - 9:50am	Seats (Total: 33) MTH 0304
0201	Kathryn Truman MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0303
0301	Richard Rast MWF 11:00am - 11:50am	Seats (Total: 33) CHM 0127

MATH312 **Mathematical Reasoning and Proof for Pre-Service Middle School Teachers**

MATH312 Mathematical Reasoning and Proof for Pre-Service Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH212 and MATH213. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education).
Reasoning and proof as addressed in the middle school curriculum. Topics include proportional reasoning, logic and proof, types of numbers, field axioms, Euclidean and non-Euclidean geometry.

0101	Orly Buchbinder TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0205

MATH341 **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors)**

MATH341 *(PermReq)* **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH340. Restriction: Open to second semester Freshmen only. Credit only granted for: MATH240, MATH246, MATH341 or MATH461. A continuation of MATH340.

0201	Brian Hunt MWF 12:00pm - 1:15pm	Seats (Total: 20) MTH 1308

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have learning proposal approved by the CMNS Mathematics Department.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341). Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Wujun Zhang MWF 9:00am - 9:50am	Seats (Total: 30) MTH 1313
0201	Jeffrey Adams MWF 12:00pm - 12:50pm	Seats (Total: 32) PHY 1219
0301	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 30) MTH B0423
0401	Thomas Rey TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0303

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240, MATH341, or MATH461. Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Frances Gulick MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0106

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH340); and 1 course with a minimum grade of C- from (MATH341, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department. Credit only granted for: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Patrick Brosnan MWF 10:00am - 10:50am	Seats (Total: 30) MTH B0427
0201	Niranjan Ramachandran MWF 10:00am - 10:50am	Seats (Total: 30) MTH 1313

MATH404 **Field Theory**

MATH404 Field Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH403. Algebraic and transcendental elements, Galois theory, constructions with straight-edge and compass, solutions of equations of low degrees, insolubility of the quintic equation, Sylow theorems, fundamental theorem of finite Abelian groups.

0101	Christian Zickert TuTh 12:30pm - 1:45pm	Seats (Total: 20) MTH 1311

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and minimum grade of C- in MATH310. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0201	Michelle Lee MWF 11:00am - 11:50am	Seats (Total: 33) CHM 0119

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Thomas Haines MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0102
0201	Joel Cohen TuTh 11:00am - 12:15pm	Seats (Total: 27) MTH 1308
0301	Dragomir Saric TuTh 12:30pm - 1:45pm	Seats (Total: 27) MTH 1308

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH240 and MATH241. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department. And permission of CMNS-Mathematics department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0106
0201	Instructor: TBA MWF 1:00pm - 1:50pm	Seats (Total: 28) MTH 0305
0401	Instructor: TBA TuTh 11:00am - 12:15pm	Seats (Total: 28) MTH 0106
0501	Instructor: TBA MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0411

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH410; and permission of CMNS-Mathematics department. Credit only granted for: MATH411 or MATH412.
Continuation of MATH410.

0101	Swarnava Mukhopadhyay MWF 11:00am - 11:50am	Seats (Total: 20) MTH B0427
0201	Instructor: TBA MWF 12:00pm - 12:50pm	Seats (Total: 20) MTH 0105
0301	James Schafer TuTh 9:30am - 10:45am	Seats (Total: 20) MTH 0305

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and (MATH240, MATH461, or MATH341); and familiarity with MATLAB is required. Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Xuemei Chen	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH B0431

MATH420 **Mathematical Modeling**

MATH420 Mathematical Modeling; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH246, MATH341); and minimum grade of C- in STAT400. Also offered as: AMSC420. Credit only granted for: AMSC420 or MATH420. The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

0101	Charles Levermore	Seats (Total: 28)
	MWF 11:00am - 11:50am	MTH 1313

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH341, MATH461). Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Melissa Macasieb	Seats (Total: 20)
	MWF 10:00am - 10:50am	MTH B0421

MATH437 **Differential Forms**

MATH437 Differential Forms; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 or MATH340; and (MATH461, MATH240, or MATH341). Recommended: MATH405, MATH403, MATH436, MATH410, or MATH432.* Introduction to differential forms and their applications, and unites the fundamental theorems of multivariable calculus in a general Stokes Theorem that is valid in great generality. It develops this theory and technique to perform calculations in analysis and geometry. Topics include an introduction to topological spaces, the Gauss-Bonnet Theorem, Gauss's formula for the linking number, and the Cauchy Integral Theorem. Applications include Maxwell's equations of electromagnetism, connections and gauge theory, and symplectic geometry and Hamiltonian dynamics.

0101	Instructor: TBA TuTh 9:30am - 10:45am	Seats (Total: 20) MTH 0409

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed two 400-level MATH courses (not to include MATH 461, 478, and 480's) with a minimum grade of C-. Or minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Mathematics department. Also offered as: CMSC456. Credit only granted for: MATH456 or CMSC456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Jonathan Rosenberg MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0106
0201	Lawrence Washington TuTh 11:00am - 12:15pm	Seats (Total: 45) CSI 3117

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Raluca Rosca MWF 1:00pm - 1:50pm Tu 8:00am - 9:15am	Seats (Total: 22) ARM 0135 MTH 0405	 Discussion
0112	Raluca Rosca MWF 1:00pm - 1:50pm Tu 8:00am - 9:15am	Seats (Total: 22) ARM 0135 ARM 0110	 Discussion
0121	Raluca Rosca MWF 1:00pm - 1:50pm Tu 10:00am - 11:15am	Seats (Total: 22) ARM 0135 MTH 0405	 Discussion
0122	Raluca Rosca MWF 1:00pm - 1:50pm Tu 10:00am - 11:15am	Seats (Total: 22) ARM 0135 ARM 0117	 Discussion
0131	Raluca Rosca MWF 1:00pm - 1:50pm Tu 12:00pm - 1:15pm	Seats (Total: 22) ARM 0135 MTH 0405	 Discussion
0132	Raluca Rosca MWF 1:00pm - 1:50pm Tu 12:00pm - 1:15pm	Seats (Total: 22) ARM 0135 ARM 0117	 Discussion
0141	Raluca Rosca MWF 1:00pm - 1:50pm Tu 3:30pm - 4:45pm	Seats (Total: 22) ARM 0135 MTH 0405	 Discussion
0142	Raluca Rosca MWF 1:00pm - 1:50pm Tu 3:30pm - 4:45pm	Seats (Total: 22) ARM 0135 MTH 0306	 Discussion

0143	Raluca Rosca MWF 1:00pm - 1:50pm Tu 3:30pm - 4:45pm	Seats (Total: 22) ARM 0135 MTH 0305	 Discussion

MATH462 **Partial Differential Equations**

MATH462 Partial Differential Equations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 or MATH340; and (MATH246 or MATH341).* Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	David Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0307

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or MATH340. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Raluca Rosca MWF 3:00pm - 3:50pm	Seats (Total: 25) MTH 0105
0201	Antoine Mellet TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0304

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 or MATH341. Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Doron Levy	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 0306

MATH475 **Combinatorics and Graph Theory**

MATH475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH341; and (MATH241 or MATH340); and permission of CMNS-Mathematics department. Also offered as: CMSC475. Credit only granted for: MATH475 or CMSC475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Jeffrey Adams	Seats (Total: 32)
	MWF 11:00am - 11:50am	PHY 1402

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH601 **Abstract Algebra II**

MATH601 Abstract Algebra II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH600. Field theory, Galois theory, multilinear algebra. Further topics from: Dedekind domains, Noetherian domains, rings with minimum condition, homological algebra. Offered Spring only.

0101	Jonathan Rosenberg	Seats (Total: 20)
	MWF 9:00am - 9:50am	MTH 0102

MATH607 **Algebraic Geometry II**

MATH607 Algebraic Geometry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH606. Topics in contemporary algebraic geometry chosen from among: theory of algebraic curves and surfaces, elliptic curves, Abelian varieties, theory of schemes, theory of zeta functions, formal cohomology, algebraic groups, reduction theory.

0101	Amin Gholampour	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH 0201

MATH631 **Real Analysis II**

MATH631 Real Analysis II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH630. Abstract measure and integration theory, metric spaces, Baire category theorem and uniform boundedness principle, Radon-Nikodym theorem, Riesz Representation theorem, Lebesgue decomposition, Banach and Hilbert Spaces, Banach-Steinhaus theorem, topological spaces, Arzela-Ascoli and Stone-Weierstrass theorems, compact sets and Tychonoff's theorem. Offered Spring only.

0101	Patrick Fitzpatrick	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 0302

MATH660 **Complex Analysis I**

MATH660 Complex Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH410; or students who have taken courses with comparable content may contact the department. Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

0101	Giovanni Forni TuTh 11:00am - 12:15pm	Seats (Total: 20) MTH 1311

MATH671 **Ordinary Differential Equations II**

MATH671 Ordinary Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH630. And MATH670 or AMSC670; or students who have taken courses with comparable content may contact the department. Also offered as: AMSC671. Credit only granted for: AMSC671 or MATH671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems, and the like.

0101	Michael Jakobson TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 0401

MATH674 **Partial Differential Equations II**

MATH674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH673 or AMSC673; or permission of instructor. Also offered as: AMSC674. Credit only granted for: AMSC674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered Spring only.

0101	Matei Machedon MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH B0429

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH734 **Algebraic Topology**

MATH734 Algebraic Topology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH403; or students who have taken courses with comparable content may contact the department. Recommended: MATH730. Singular homology and cohomology, cup products, Poincare duality, Eilenberg-Steenrod axioms, Whitehead and Hurewicz theorems, universal coefficient theorem, cellular homology. Offered Spring only.

0101	James Schafer	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 0411

MATH740 **Fundamental Concepts of Differential Geometry**

MATH740 Fundamental Concepts of Differential Geometry; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH405, MATH411, and MATH730; or students who have taken courses with comparable content may contact the department. Manifolds, tangent vectors and differential forms, Riemannian metrics, connections, curvature, structure equations, geodesics, calculus of variations.

0101	Sergei Novikov	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 1311

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH808A **Selected Topics in Algebra**

MATH808A Selected Topics in Algebra; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH808B **Selected Topics in Algebra; Intersection Theory on Homogeneous Spaces**

MATH808B Selected Topics in Algebra: Intersection Theory on Homogeneous Spaces; (3 credits) Grade Method: REG/AUD.

0101	Harry Tamvakis	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 0302

MATH808Z **Selected Topics in Algebra; Zeta Functions**

MATH808Z Selected Topics in Algebra: Zeta Functions; (3 credits) Grade Method: REG/AUD.

0101	Niranjan Ramachandran	Seats (Total: 20)
	MWF 11:00am - 11:50am	MTH 0102

MATH818A **Selected Topics in Logic**

MATH818A Selected Topics in Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH848A **Selected Topics in Geometry and Topology**

MATH848A Selected Topics in Geometry and Topology; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH848G **Selected Topics in Geometry and Topology; Geometric Structures on Manifolds**

MATH848G Selected Topics in Geometry and Topology: Geometric Structures on Manifolds; (3 credits) Grade Method: REG/AUD.

0101	William Goldman	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	EGR 1102

MATH848W **Selected Topics in Geometry and Topology; Introduction to Moduli Spaces of Higgs Bundles**

MATH848W Selected Topics in Geometry and Topology: Introduction to Moduli Spaces of Higgs Bundles; (3 credits) Grade Method: REG/AUD.

0101	Richard Wentworth	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 1311

MATH858A **Selected Topics in Analysis**

MATH858A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH858B **Selected Topics in Analysis; Nonlinear Hyperbolic Equations**

MATH858B Selected Topics in Analysis: Nonlinear Hyperbolic Equations; (3 credits) Grade Method: REG/AUD.
Also offered as AMSC808C. Credit granted for AMSC808C or MATH858B.

0101	Stuart Antman	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 1308

MATH858C **Selected Topics in Analysis; Geometric Multiresolution Representation**

MATH858C Selected Topics in Analysis: Geometric Multiresolution Representation; (3 credits) Grade Method: REG/AUD.

0101	Wojciech Czaja	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 1313

MATH858R **Selected Topics in Analysis; Sparse and Low Rank Representations: Analytical Methods and Industrial Applications**

MATH858R Selected Topics in Analysis: Sparse and Low Rank Representations: Analytical Methods and Industrial Applications; (3 credits) Grade Method: REG/AUD.

0101	Radu Balan	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSI 4122

MATH868A **SelectedTopics in Complex Analysis**

MATH868A SelectedTopics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Spring 2014

MEES608I **Seminar in Marine-Estuarine-Environmental Sciences; Harmful Algal Blooms: Causes, Consequences and Conjecture**

MEES608I Seminar in Marine-Estuarine-Environmental Sciences: Harmful Algal Blooms: Causes, Consequences and Conjecture; (2 credits) Grade Method: REG/AUD.
Taught at College Park and on the Interactive Video Network.

0101	Kevin Sellner	Seats (Total: 15)
	Tu 2:30pm - 4:30pm	HJP 1213B

MEES608K **Seminar in Marine-Estuarine-Environmental Sciences; Synthesis Research in Coastal Science**

MEES608K Seminar in Marine-Estuarine-Environmental Sciences: Synthesis Research in Coastal Science; (1 credit) Grade Method: REG/AUD.
Taught on the INteractive Video Network.

0101	William Kemp, Walter Boynton	Seats (Total: 20)
	W 2:00pm - 3:00pm	HJP 1213B

MEES608L **Seminar in Marine-Estuarine-Environmental Sciences; Molecular Microbial Ecology**

MEES608L Seminar in Marine-Estuarine-Environmental Sciences: Molecular Microbial Ecology; (2 credits) Grade Method: REG/AUD.
Taught at the Institute of Environmental Technology and on the Interative Video Network.

0101	Russell Hill, Feng Chen Th 3:30pm - 5:30pm	Seats (Total: 15) HJP 1213B

MEES608M **Seminar in Marine-Estuarine-Environmental Sciences; Long Term Monitoring Data from Chesapeake Bay**

MEES608M Seminar in Marine-Estuarine-Environmental Sciences: Long Term Monitoring Data from Chesapeake Bay; (1 credit) Grade Method: REG/AUD.
Taught on the Interactive Video Network.

0101	Jeremy Testa, Michael Roman, James Pierson Th 2:30pm - 3:30pm	Seats (Total: 20) HJP 1213B

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in OMICS: Cell Biology and Neurosciences**

MEES608O Seminar in Marine-Estuarine-Environmental Sciences: Current Topics in OMICS: Cell Biology and Neurosciences; (2 credits) Grade Method: REG/AUD.
Course is taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

0101	Jum Sook Chung, Shao Du F 2:00pm - 4:00pm	Seats (Total: 15) HJP 1213B

MEES616 **Fisheries Oceanography**

MEES616 Fisheries Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: MEES661, AOSC670, MEES621, MEES631, MEES634, or MEES682; or permission of instructor. Credit only granted for: MEES698F or MEES616. Formerly: MEE698F. Combines the disciplines of physical oceanography, biological oceanography and fisheries science to understand how environmental variability, ecosystems and humans influence harvested fish and shellfish populations. Physical-biological interactions from small-scale processes that influence individual larvae to basin-scale oscillations in climate that shift ecosystems. Taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Elizabeth North TuTh 11:30am - 1:00pm	Seats (Total: 20) HJP 1213B

MEES617 **Hydrological Effects of Land Use Change**

MEES617 Hydrological Effects of Land Use Change; (3 credits) Grade Method: REG/AUD.
Prerequisite: Statistics course and hydrology course or permission of instructor. Detailed examination of the catchment-scale hydrological effects attributable to major land use and land cover alterations, including both anthropic and non-anthropic disturbances. Taught at the Appalachian Laboratory and on the Interactvie Video Network.

0101	Keith Eshleman MW 10:00am - 11:30am	Seats (Total: 20) HJP 1213B

MEES631 **Fish Ecology**

MEES631 Fish Ecology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor. Study of the interrelationships between individuals, their communities and environment. Explores the environmental biology of fish, feeding ecology, energetics and growth, population biology, reproduction and life history, and population and community interactions. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	David Secor, Thomas Miller TuTh 8:30am - 10:00am	Seats (Total: 20) HJP 1213B

MEES661 **Physics of Estuarine and Marine Environments**

MEES661 Physics of Estuarine and Marine Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one year of physics coursework; and must have completed one year of calculus coursework. Or permission of instructor. General introduction to the physical oceanography of estuarine and marine systems. Physical characteristics of seawater, heat and mass transport, major ocean currents, basic dynamical oceanography, surface waves, tides, turbulence, sediment transport, estuarine circulation. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Victoria Coles, William Boicourt	Seats (Total: 25)
	TuTh 1:00pm - 2:30pm	HJP 1213B

MEES698A **Special Topics in Marine-Estuarine-Environmental Sciences; Aquatic Microbial Ecology**

MEES698A Special Topics in Marine-Estuarine-Environmental Sciences: Aquatic Microbial Ecology; (3 credits) Grade Method: REG/AUD.
Taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Alyson Santoro	Seats (Total: 20)
	TuTh 10:00am - 11:30am	HJP 1213B

MEES698D **Special Topics in Marine-Estuarine-Environmental Sciences; Visualization and Interpretation of Experimental Research Data Using JMP**

MEES698D Special Topics in Marine-Estuarine-Environmental Sciences: Visualization and Interpretation of Experimental Research Data Using JMP; (2 credits) Grade Method: REG/AUD.
Prerequisite: a course in statistical analysis and design. Also offere as PLSC689E. Credit granted for PLSC689E or MEES698D. Students will learn the basics of data management and exploration usin JMP. Using real data sets, students will develop hypotheses, determine appropriate statistical approaches to test hypotheses, explore data fo errors and statistical assumptions, perform statistical analyses, interpret results, and prepare tables, figures, and text to communicat results. Each student will present a final project based on a dataset of their choice.

0101	Marla McIntosh	Seats (Total: 15)
	Th 4:00pm - 5:50pm	PLS 1176

MEES698J **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Industrial Ecology**

MEES698J Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Industrial Ecology; (3 credits) Grade Method: REG/AUD.
Also offered as ENST443 and ENST643. Credit granted for ENST443, ENST643, or MEES698J.

0101	Patrick Kangas	Seats (Total: 20)	
	M 11:00am - 11:50am	ANS 0422	
	W 11:00am - 2:50pm	ANS 0538	Lab

MEES698P **Special Topics in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Prairie Dogs**

MEES698P *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Behavioral Ecology of Prairie Dogs; (4 credits)** Grade Method: REG/AUD.
Field course in New Mexico.

0101	John Hoogland	Seats (Total: 10)
	Contact instructor or department for details.	

MEES698Q **Special Topics in Marine-Estuarine-Environmental Sciences; Environmental Behavior of Organic Pollutants**

MEES698Q Special Topics in Marine-Estuarine-Environmental Sciences: Environmental Behavior of Organic Pollutants; (3 credits) Grade Method: REG/AUD.
Also offered as ENCE655. Credit granted for ENCE655 or MEES698Q.

0101	Alba Torrents	Seats (Total: 20)
	W 8:00am - 10:30am	EGR 1110

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES743 **Aquatic Toxicology**

MEES743 Aquatic Toxicology; (3 credits) Grade Method: REG/AUD. Comprehensive course in which a definitive description of basic concepts and principles, laboratory testing and field situations, as well as examples of typical data and their interpretation and use by industry and water resource managers, will be discussed. The toxicological action and fate of environmental pollutants will be examined in aquatic ecosystems, whole organisms and at the cellular, biochemical and molecular levels. Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Carys Mitchelmore	Seats (Total: 25)
	MW 8:30am - 10:00am	HJP 1213B

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Spring 2014

MIEH309 **Environmental Health Research**

MIEH309 Environmental Health Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Robin Puett	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0305
	A minor portion of the lectures will be online.	

MIEH609 **Methods in Toxicology**

MIEH609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH688A **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health; Critical Analysis of Research Methods**

MIEH688A Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health: Critical Analysis of Research Methods; (1 credit) Grade Method: S-F.

0101	Paul Turner	Seats (Total: 10)
	Contact instructor or department for details.	

MIEH720 **Principles of Toxicology**

MIEH720 Principles of Toxicology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Recommended: Must have completed some coursework in chemistry and/or biology. Overview of toxicology, including exposure pathways, toxicokinetics, dermal toxicants, carcinogens, and genetic, reproductive, immuno-, nuero-, target organs, complex mixtures, structure-activity analysis, and determinants of hypo- and hyper-susceptibility. Case studies of global national and regional interest.

0101	Paul Turner	Seats (Total: 25)
	Th 1:00pm - 3:45pm	PLS 1115

MIEH770 **Law and Policy in Environmental Health**

MIEH770 Law and Policy in Environmental Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Overview of laws that affect the environment, and the various ways in which businesses are regulated by the government in the interest of protecting the environment. International, Federal, state, and local laws and regulations related to the protection of human health and the regulation of environmental containments, including biological, physicalanc chemical factors affecting community health. Examination of the interactions between and differing responsibilities of various agencies enforcing environmental laws and regulations.

0101	Sacoby Wilson	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	SPH 0303

MIEH771 **Exposure Assessment of Environmental Hazards**

MIEH771 Exposure Assessment of Environmental Hazards; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600 and EPIB650. Approaches and methods for determining exposure to environmental contaminants. Biomonitoring and genetic methods to detect recent exposures. Optimizing exposure assessment.

0101	Amir Sapkota	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0308

MIEH785 **Internship in Public Health**

MIEH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Amy Sapkota	Seats (Total: 1)
	Contact instructor or department for details.	

MIEH786 **Captsone Project in Public Health**

MIEH786 Captsone Project in Public Health; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.* Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0101	Amy Sapkota	Seats (Total: 11)
	Contact instructor or department for details.	

MIEH788 **Critical Readings in Environmental Health**

MIEH788 Critical Readings in Environmental Health; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

MIEH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH899 **Doctoral Dissertation Research**

MIEH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Spring 2014

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or must be a Pre-Elementary Education major; or must be a Pre-Early Childhood Education major. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Charles Fletcher TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 2160
0201	Seth Glabman TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 2160
0301	Charles Fletcher TuTh 4:15pm - 5:30pm	Seats (Total: 25) PAC 2160

MUED187 **Pre-Professional Experiences II**

MUED187 *(PermReq)* **Pre-Professional Experiences II; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: MUED186. Restriction: Must be in Music Education program. Regular on-site school visitation at elementary, middle and high school levels arranged to expand student understandings and reflections of music instruction in classroom settings.

0101	Seth Glabman, Glen Brumbach F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2130A

MUED216 **Percussion Technique and Pedagogy**

MUED216 *(PermReq)* **Percussion Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program. Playing experience on percussion instruments. Historical and acoustical background. Scoring for percussion. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Lee Hinkle	Seats (Total: 15)
	MWF 8:00am - 8:50am	PAC 2540

MUED217 **Brass Instrument Technique and Pedagogy**

MUED217 *(PermReq)* **Brass Instrument Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program. Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Anne McNamara	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 1230

MUED222 **Classroom Instruments Technique and Pedagogy**

MUED222 *(PermReq)* **Classroom Instruments Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUED187 and MUED186. Restriction: Must be in Music Education program. An introduction to the fundamentals of classroom instruments technique and pedagogy for the choral and general teacher.

0101	Janet Montgomery	Seats (Total: 15)
	W 12:00pm - 1:50pm	PAC 2130A

MUED311 **Teaching Elementary Instrumental Music I**

MUED311 *(PermReq)* **Teaching Elementary Instrumental Music I; (2 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: MUED187. Restriction: Must be in Music Education program. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to teach fundamental musical skills at the elementary level.

0101	Stephanie Prichard	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 2540

MUED411 **Teaching Elementary Instrumental Music II**

MUED411 *(PermReq)* **Teaching Elementary Instrumental Music II; (2 credits)**
Grade Method: REG.
Prerequisite: MUED320 and MUED311. Corequisite: MUED489. Restriction: Must be in Music Education program. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary curricular-oriented, research-based, comprehensive elementary instrumental music program.

0101	Stephanie Prichard	Seats (Total: 15)
	Tu 11:00am - 11:50am	PAC 2540
	Th 9:00am - 11:50am	PAC 2540

MUED472 **Teaching Choral Music**

MUED472 *(PermReq)* **Teaching Choral Music; (2 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: MUED471. Corequisite: MUED489. Restriction: Must be in Music Education program. Preparation for teaching choral classes through the integration of conducting technique, vocal pedagogy, knowledge of repertoire, and the application of appropriate instructional strategies in the context of peer teaching and field experience assignments.

0101	Kenneth Elpus	Seats (Total: 15)
	W 4:00pm - 6:00pm	PAC 2130A

MUED473 **Teaching General Music for Instrumentalists**

MUED473 *(PermReq)* **Teaching General Music for Instrumentalists; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUED311; and MUED320. Restriction: Must be in Music Education program. Introduction to current trends, materials and approaches in general music instruction.

0101	Janet Montgomery Tu 9:00am - 10:40am	Seats (Total: 20) PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 *(PermReq)* **Field Experiences: Pre-Student Teaching; (1 credit)** Grade Method: REG.
Prerequisite: MUED420 and MUED411; or (MUED472 and MUED471). Restriction: Permission of ARHU-School of Music department; and senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Janet Montgomery Tu 7:30pm - 8:30pm	Seats (Total: 15) PAC 2160

MUED484 **Student Teaching in Elementary School: Music**

MUED484 *(PermReq)* **Student Teaching in Elementary School: Music; (4-6 credits)** Grade Method: S-F.
Corequisite: MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Kenneth Elpus Contact instructor or department for details.	Seats (Total: 15)

MUED489C **Field Experiences**

MUED489C *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Kenneth Elpus Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A

MUED489I **Field Experiences**

MUED489I *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Stephanie Prichard	Seats (Total: 15)
	Contact instructor or department for details.	

MUED494 **Student Teaching in Secondary School: Music**

MUED494 *(PermReq)* **Student Teaching in Secondary School: Music; (4-6 credits)** Grade Method: S-F.
Corequisite: MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied. Students must pay a $750.00 lab fee.

0101	Kenneth Elpus	Seats (Total: 15)
	Contact instructor or department for details.	

MUED690 **Research Methods in Music and Music Education**

MUED690 Research Methods in Music and Music Education; (3 credits) Grade Method: REG/AUD.
The application of methods of research to problems in the fields of music and music education. The preparation of bibliographies and the written exposition of research projects in the area of the student's major interest.

0101	Kenneth Elpus	Seats (Total: 10)
	M 5:30pm - 8:00pm	PAC 2130A

MUSC School of Music Spring 2014

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	Enrico Lopez-Yanez	Seats (Total: 150)
	Contact instructor or department for details.	

MUSC102B **Class Piano**

MUSC102B Class Piano; (2 credits) Grade Method: REG/P-F/AUD.
Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear.

0101	David Henry TuTh 9:00am - 10:15am	Seats (Total: 14) PAC 1123

MUSC103 **Beginning Class Piano II**

MUSC103 *(PermReq)* **Beginning Class Piano II; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC102; or permission of ARHU-School of Music department.
Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques; chord, arpeggio, and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition, and playing by ear. MUSC 103 is a continuation of MUSC 102; elementary repertoire is begun. Limited to music majors.

0101	David Henry TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123
0201	Mijail Tumanov Pavlov MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Mijail Tumanov Pavlov MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

0101	Gerard Kunkel MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230	

MUSC126 **Vocal Diction: English and Latin**

MUSC126 *(PermReq)* **Vocal Diction: English and Latin; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. Augmentation of private voice study. Phonetics and diction for singers of English and Latin vocal literature.

0101	Anthony Eversole, Diba Alvi TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164	

MUSC129A **Ensemble; Chamber Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Strings; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	David Salness TuTh 11:00am - 12:15pm	Seats (Total: 45) PAC 2201	Lab
0801	Valentina Shohdy Tu 11:00am - 12:15pm	Seats (Total: 10) PAC 2201	Lab
0901	Kacy Clopton Tu 11:00am - 12:15pm	Seats (Total: 10) PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	Mark Hill TuTh 11:00am - 12:15pm	Seats (Total: 40) PAC 2201	Lab
0601	David Jones Tu 11:00am - 12:15pm	Seats (Total: 10) PAC 2201	Lab

0801	Kathleen Trahan	Seats (Total: 10)	
	Tu 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Brasses; (1 credit)** Grade Method: REG/P-F/AUD.
For Music majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.
For Music majors only. Contact instructor to make arrangements.

0101	Sarah Fuller	Seats (Total: 6)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Flute Choir; (1 credit)** Grade Method: REG. Contact instructor to make arrangements.

0101	William Montgomery	Seats (Total: 6)	
	TBA	PAC 1130C	Lab

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 17)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 15)	
	Contact instructor or department for details.		

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Timothy Powell	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Christopher Dudley	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Mark Nowakowski	Seats (Total: 12)	
	MW 11:00am - 11:50am	PAC 2168	
	F 11:00am - 11:50am	PAC 1108	Discussion

0102	Mark Nowakowski MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0201	Mark Nowakowski MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0202	Mark Nowakowski MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion

MUSC151 **Theory of Music II**

MUSC151 *(PermReq)* **Theory of Music II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in MUSC150.* A continuation of MUSC150, including study of more advanced harmonic techniques of the eighteenth century, such as modulation and chromatic harmonies. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab
0301	Alexandra Bryant MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab

0302	Alexandra Bryant MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab

MUSC203 **Intermediate Class Piano II**

MUSC203 *(PermReq)* **Intermediate Class Piano II; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC202; or must have equivalent piano training. Advanced keyboard techniques. Continuation of skills introduced in MUSC202. Transposition, modulation and sight reading; methods of teaching functional piano. Development of style in playing accompaniments and in playing for community singing. More advanced repertory.

0101	Katerina Zaitseva MWF 9:00am - 9:50am	Seats (Total: 10) PAC 1123	

MUSC204 **Popular Music in Black America**

MUSC204 Popular Music in Black America; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Traces black popular music in the U.S. with a special focus on spirituals, ragtime, the blues, early jazz, R&B, Motown, funk, soul, and rap. Examines how these styles have been borrowed by the American music industry.

0101	Kendra Salois MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2164	 Discussion
0102	Kendra Salois MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2164	 Discussion
0103	Kendra Salois MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2164	 Discussion
0106	Kendra Salois MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3164	 Discussion

0107	Kendra Salois MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2200	Discussion
0108	Kendra Salois MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2200	Discussion
0109	Kendra Salois MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2200	Discussion

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Richard King MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0102	Richard King MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0103	Richard King MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Richard King MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0105	Richard King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion

0106	Richard King MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0107	Richard King MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Richard King MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Richard King MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion

MUSC210 **The Impact of Music on Life**

MUSC210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET210 or MUSC210. Formerly: MUET210.* Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Cheryl Tobler MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0102	Cheryl Tobler MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0103	Cheryl Tobler MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0104	Cheryl Tobler MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 PAC 1815	Discussion

0105	Cheryl Tobler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0106	Cheryl Tobler MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 PAC 1815	Discussion
0107	Cheryl Tobler MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 PAC 2168	Discussion
0108	Cheryl Tobler MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 PAC 2168	Discussion
0109	Cheryl Tobler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 PAC 2168	Discussion
0110	Cheryl Tobler MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 EDU 0212	Discussion
0111	Cheryl Tobler MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 EDU 0212	Discussion
0112	Cheryl Tobler MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 EDU 0212	Discussion

MUSC215 **World Popular Musics and Identity**

MUSC215 World Popular Musics and Identity; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET200 or MUSC215. Formerly: MUET200.* Focus on popular musics in different cultures with an emphasis on cross-cultural comparisons and analysis of how musics and identity intersect.

0101	Laura Schnitker TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0102	Laura Schnitker TuTh 12:30pm - 1:20pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0103	Laura Schnitker TuTh 12:30pm - 1:20pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0104	Laura Schnitker TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0105	Laura Schnitker TuTh 12:30pm - 1:20pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0106	Laura Schnitker TuTh 12:30pm - 1:20pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3160	Discussion
0107	Laura Schnitker TuTh 12:30pm - 1:20pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0108	Laura Schnitker TuTh 12:30pm - 1:20pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0109	Laura Schnitker TuTh 12:30pm - 1:20pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUSC220 Selected Musical Cultures of the World

MUSC220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET220 or MUSC220. Formerly: MUET220.* A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0101	Kendra Salois MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SPH 1312 PAC 3168	Discussion
0102	Kendra Salois MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SPH 1312 PAC 3168	Discussion
0103	Kendra Salois MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SPH 1312 PAC 3168	Discussion
0104	Kendra Salois MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SPH 1312 PAC 3160	Discussion
0105	Kendra Salois MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SPH 1312 PAC 3160	Discussion
0106	Kendra Salois MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) SPH 1312 PAC 3160	Discussion

MUSC226 **Vocal Diction: French**

MUSC226 *(PermReq)* **Vocal Diction: French; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department. Augmentation of private voice study. Phonetics and diction for singers of French vocal literature.

0101	Joseph Regan, Diba Alvi TuTh 2:00pm - 2:50pm	Seats (Total: 20) PAC 2164	

MUSC229A **Ensemble; Symphony Orchestra**

MUSC229A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D *(PermReq)* **Ensemble: Wind Orchestra; (1 credit)** Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG/P-F/AUD.

0101	Lowell Sparks	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2540	

MUSC229J **Ensemble; Jazz**

MUSC229J *(PermReq)* **Ensemble: Jazz; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Timothy Powell MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Timothy Powell MW 1:00pm - 2:15pm	Seats (Total: 30) PAC 1230	 Lab
0301	Griffith Kazmierczak M 7:30pm - 9:30pm	Seats (Total: 35) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P Ensemble: Pep Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 150)

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Lowell Sparks, Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 150) PAC 2540	 Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 5)	
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 5)	
0301	Andrew Hare Contact instructor or department for details.	Seats (Total: 10)	
0401	Griffith Kazmierczak Contact instructor or department for details.	Seats (Total: 10)	

MUSC251 **Advanced Theory of Music II**

MUSC251 *(PermReq)* **Advanced Theory of Music II; (4 credits)** Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in MUSC250. A continuation of MUSC250, concentrating on late nineteenth-century chromatic harmony and an introduction to twentieth-century melody and harmony. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Daniel Zimmerman TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0102	Daniel Zimmerman TuThF 9:00am - 9:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab
0201	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 2160	 Lab
0202	Daniel Zimmerman TuThF 10:00am - 10:50am MW 10:00am - 10:50am	Seats (Total: 6) PAC 3168 PAC 3164	 Lab
0301	Evan Meier TuThF 10:00am - 10:50am MW 9:00am - 9:50am	Seats (Total: 6) PAC 3160 PAC 3160	 Lab

0302	Evan Meier	Seats (Total: 6)	
	TuThF 10:00am - 10:50am	PAC 3160	
	MW 10:00am - 10:50am	PAC 3160	Lab

MUSC269A **Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music**

Contact department for information to register for this course.

MUSC269F **Special Topics in Study Abroad II; Exploring Music and Society: Flamenco**

Contact department for information to register for this course.

MUSC269M **Special Topics in Study Abroad II; Czech Music**

Contact department for information to register for this course.

MUSC320 **Music History II**

MUSC320 Music History II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC310; and permission of ARHU-School of Music department. Credit only granted for: MUSC230 or MUSC320. Formerly: MUSC230.* A historical study of Western music from 1600 to 1800.

0101	Richard King	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	PAC 2200	
	F 1:00pm - 1:50pm	PAC 2164	Discussion
0102	Richard King	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	PAC 2200	
	F 2:00pm - 2:50pm	PAC 2164	Discussion
0103	Richard King	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	PAC 2200	
	F 3:00pm - 3:50pm	PAC 2164	Discussion

MUSC328 **Introduction to Chamber Music for Pianists**

MUSC328 *(PermReq)* **Introduction to Chamber Music for Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Oleksiy Ulitin	Seats (Total: 10)	
	F 11:00am - 1:00pm	PAC 2126	

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 80)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
ADD: Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 50)	
	MW 3:00pm - 3:50pm	PAC 2201	
	TuTh 3:30pm - 4:20pm	PAC 2201	

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Edward Maclary	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC329O **Ensemble; Opera Chorus**

MUSC329O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Allan Laino, Edward Maclary F 4:00pm - 6:00pm	Seats (Total: 30) PAC 2170	Lab

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Kenneth Elpus MWF 12:00pm - 12:50pm	Seats (Total: 60) PAC 2201

MUSC369M **Special Topics in Study Abroad III; Masterpieces of Italian Opera**
Contact department for information to register for this course.

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Joseph Regan, Nicholas Olcott MW 4:00pm - 6:00pm	Seats (Total: 15) PAC 2170

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG.
Prerequisite: permission of instructor.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)

0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)
0401	Richard Scerbo Contact instructor or department for details.	Seats (Total: 5)

MUSC389 **Music Internship Analysis**

MUSC389 *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG.

0101	Lori DeBoy Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Hewitt Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)
0401	Richard Scerbo Contact instructor or department for details.	Seats (Total: 5)

MUSC400V **Music Pedagogy**

MUSC400V *(PermReq)* **Music Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSP315; and permission of ARHU-School of Music department.* Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Karla Scott, Diba Alvi TuTh 9:00am - 10:15am	Seats (Total: 25) PAC 2170

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 Repertoire Coaching of Vocal or Chamber Music; (2 credits) Grade Method: REG/P-F/AUD.

0101	Rita Sloan Contact instructor or department for details.	Seats (Total: 5)

MUSC436 **Jazz: Then and Now**

MUSC436 Jazz: Then and Now; (3 credits) Grade Method: REG/P-F/AUD. Major styles and influential artists of the past 75 years of jazz.

0101	Richard Wexler MW 3:00pm - 4:15pm	Seats (Total: 20) PAC 3160

MUSC438I **Area Studies in Ethnomusicology; Music and Islam in North Africa**

MUSC438I Area Studies in Ethnomusicology: Music and Islam in North Africa; (3 credits) Grade Method: REG.

0101	Kendra Salois Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Music department. Corequisite: MUSP420 or MUSP419. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC445 **Survey of the Opera**

MUSC445 Survey of the Opera; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330 and MUSC331; or students who have taken courses with comparable content may contact the department. A study of the music, librettos and composers of the standard operas.

0101	Olga Haldey TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316; and permission of ARHU-School of Music department.
Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448E **Selected Topics in Music; Symphonic Literature**

MUSC448E *(PermReq)* **Selected Topics in Music: Symphonic Literature; (3 credits)** Grade Method: REG.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 6) PAC 3110A

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Rita Sloan Contact instructor or department for details.	Seats (Total: 10)

MUSC448L **Selected Topics in Music; The Italian Opera Libretto in English**

MUSC448L Selected Topics in Music: The Italian Opera Libretto in English; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ITAL475. Credit will be granted for ITAL475 or MUSC448 L.

0101	Federica Deigan TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2122

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Evan Meier	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2168

MUSC454 **Jazz Improvisation II**

MUSC454 Jazz Improvisation II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC453; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC346 or MUSC454. Formerly: MUSC346.* Continuation of MUSC453 including scoring and transcription.

0101	Gerard Kunkel	Seats (Total: 5)
	Th 12:30pm - 3:00pm	PAC 1208

MUSC456 **Jazz Arranging**

MUSC456 Jazz Arranging; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC455; and permission of ARHU-School of Music department. Credit only granted for: MUSC448N or MUSC456. Formerly: MUSC448N.* A comprehensive approach to jazz arranging. Topics to include chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

0101	Timothy Powell	Seats (Total: 12)
	W 2:30pm - 5:00pm	PAC 2168

MUSC463 **Applications in Music Technology**

MUSC463 *(PermReq)* **Applications in Music Technology; (3 credits)** Grade Method: REG/P-F/AUD.
A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0101	Joel Pierson Th 1:00pm - 3:30pm	Seats (Total: 16) PAC 1108

MUSC469F **Orchestral Excerpts for String Players; Bass**

MUSC469F Orchestral Excerpts for String Players: Bass; (1 credit) Grade Method: REG/P-F/AUD.

0101	Robert Oppelt W 4:30pm - 5:45pm	Seats (Total: 15) Location: TBA

MUSC469V **Orchestral Excerpts for String Players; HARP**

MUSC469V Orchestral Excerpts for String Players: HARP; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sarah Fuller Contact instructor or department for details.	Seats (Total: 15)

MUSC470 **Harmonic and Contrapuntal Practices of the Twentieth Century**

MUSC470 Harmonic and Contrapuntal Practices of the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. A theoretical and analytical study of twentieth century materials.

0101	Mark Wilson TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 3168

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG. *Prerequisite: MUSC251.* Vocal and instrumental baton techniques.

0101	Cynthia Bauchspies, Joseph Shortall, Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 12) PAC 2201
0201	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 12) PAC 2201

MUSC491 **Conducting II**

MUSC491 *(PermReq)* **Conducting II; (2 credits)** Grade Method: REG/AUD. *Prerequisite: MUSC490; or students who have taken courses with comparable content may contact the department.* Baton techniques applied to score reading, rehearsal techniques, tone production, style and interpretation. Concurrent registration in MUED472.

0101	Edward Maclary MW 9:00am - 9:50am	Seats (Total: 20) PAC 2201

MUSC493 **Keyboard Music II**

MUSC493 Keyboard Music II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MUSC492; and permission of ARHU-School of Music department.* The history and literature of harpsichord and solo piano music from the Romantic period to the present. Emphasis is placed on those segments of repertory which are encountered in performance and teaching situations at the present time.

0101	Mayron Tsong M 11:00am - 1:30pm	Seats (Total: 15) PAC 3168

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC602 **Advanced Italian Lyric Diction**

MUSC602 *(PermReq)* **Advanced Italian Lyric Diction; (1 credit)** Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program. Concepts, strategies and techniques for singing operatic and song literature in Italian: syllabification, vowels, stressed and unstressed syllables, dipthongs, glides and elisions, single and double consonants with emphasis on current performance practices.

0101	Dominic Cossa	Seats (Total: 15)	
	Tu 10:30am - 12:00pm	PAC 1218	

MUSC603 **Advanced German Lyric Diction**

MUSC603 Advanced German Lyric Diction; (1 credit) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program. Concepts, strategies and techniques for singing operatic and song literature in German: single and double consonants, the use of the glottal, the German closed (e) and (o) vowels, the "schwa" and consonant clusters. Mastery of the International Phonetic Alphabet (IPA) as it applies to "Hochdeutsch" will be expected.

0101	Jennifer Cabot	Seats (Total: 15)	
	Tu 10:30am - 12:00pm	PAC 2170	

MUSC606 **Opera Repertory II**

MUSC606 Opera Repertory II; (1 credit) Grade Method: REG/AUD.
Prerequisite: MUSC605; or permission of instructor. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).
Continuation of MUSC 605. Advanced vocal coaching of selections from the Italian, French, German and English opera repertory: musical accuracy, language facility; diction clarity; and dramatic interpretation.

0101	Carmen Balthrop	Seats (Total: 10)	
	Th 10:30am - 12:00pm	TWS 1121	Lab

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC609 **Piano Chamber Music Practicum and Analysis**

MUSC609 *(PermReq)* **Piano Chamber Music Practicum and Analysis; (2 credits)** Grade Method: REG.

0101	Rita Sloan	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC612 **Opera Techniques II**

MUSC612 *(PermReq)* **Opera Techniques II; (2 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of B- in MUSC611. Corequisite: MUSC602. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) ; and permission of Director of Opera required.* Continuation of MUSC 611. Techniques for opera performance: Scene Study II; Movement II; and Mask.

0101	Nicholas Olcott	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC614 **Opera Techniques IV**

MUSC614 *(PermReq)* **Opera Techniques IV; (2 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of B- in MUSC613. Corequisite: MUSC606 and MUSC604. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) ; and permission of Director of Opera required.* Continuation of MUSC 613. Techniques for opera performance: Scene Study IV and Movement IV.

0101	Nicholas Olcott	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Symphony Orchestra**

MUSC629A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B Ensemble: University of Maryland Brass Ensemble; (1 credit) Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Michael Votta	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G *(PermReq)* **Ensemble: Balinese Gamelan; (1 credit)** Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala, Timothy Powell MW 5:30pm - 7:15pm	Seats (Total: 20) PAC 1230	Lab
0201	Timothy Powell, Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 5) PAC 1230	Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 10) PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K *(PermReq)* **Ensemble: Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto Tu 5:30pm - 7:00pm	Seats (Total: 2) PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto Tu 7:00pm - 8:30pm	Seats (Total: 4) PAC 3160	Lab

MUSC629M **Ensemble; Chamber Flute Choir**

MUSC629M Ensemble: Chamber Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery TBA	Seats (Total: 6) PAC 1130C	Lab

MUSC629O **Ensemble; Tuba and Euphonium**

MUSC629O Ensemble: Tuba and Euphonium; (1 credit) Grade Method: REG.

0101	Paul Kellner Contact instructor or department for details.	Seats (Total: 10)

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	W 5:00pm - 7:00pm	PAC 2540	Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	Lab

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone Ensemble**

MUSC629S Ensemble: Saxophone Ensemble; (1 credit) Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone Ensemble**

MUSC629T Ensemble: Trombone Ensemble; (1 credit) Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W *(PermReq)* **Ensemble: Wind Orchestra; (1 credit)** Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel	Seats (Total: 5)
	Contact instructor or department for details.	
0201	Thomas Baldwin	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
0401	Brent Madsen	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC632 **The Anthropology of Music**

MUSC632 *(PermReq)* **The Anthropology of Music; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUET650 or MUSC632. Formerly: MUET650. Explores how leading theoretical paradigms in socio-cultural anthropology have been incorporated into and shaped ethnomusicological research.

0101	Fernando Rios Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC639S **Seminar in Music; Stravinsky**

MUSC639S Seminar in Music: Stravinsky; (3 credits) Grade Method: REG/AUD.

0101	Olga Haldey W 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A

MUSC645 **Seminar in Vocal Pedagogy**

MUSC645 *(PermReq)* **Seminar in Vocal Pedagogy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. A study of the physiological, psychological and acoustical aspects of the teaching of singing combined with independent study and research in areas of individual interest. Advanced special students require department authorization.

0101	Martha Randall MW 9:30am - 10:45am	Seats (Total: 10) PAC 3168

MUSC648 **Seminar in Music Research**

MUSC648 *(PermReq)* **Seminar in Music Research; (3 credits)** Grade Method: REG/AUD.

0101	Stephen Thursby M 7:00pm - 9:30pm	Seats (Total: 12) PAC 2515C

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	TuTh 4:30pm - 6:00pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	MW 3:00pm - 3:50pm	PAC 2201	
	TuTh 3:30pm - 4:20pm	PAC 2201	

MUSC649E **Ensemble; Gospel Choir**

MUSC649E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 10)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Joseph Shortall, Edward Maclary	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC649O **Ensemble; Opera Chorus**

MUSC649O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary	Seats (Total: 15)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Kenneth Elpus	Seats (Total: 10)
	MWF 12:00pm - 12:50pm	PAC 2201

MUSC651 **The Theories of Heinrich Schenker**

MUSC651 The Theories of Heinrich Schenker; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC450; or permission of ARHU-School of Music department. The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.

0101	Thomas DeLio	Seats (Total: 10)
	W 2:00pm - 4:30pm	PAC 2164

MUSC654 **Jazz Improvisation II**

MUSC654 *(PermReq)* **Jazz Improvisation II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC653. Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC654 or MUSC699Z. Formerly: MUSC699Z. Continuation of MUSC653, study of jazz improvisation techniques through analysis, transcription and composition.

0101	Gerard Kunkel	Seats (Total: 5)
	Th 12:30pm - 3:00pm	PAC 1208

MUSC656 **Jazz Arranging**

MUSC656 *(PermReq)* **Jazz Arranging; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC655. Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC656 or MUSC699N. Formerly: MUSC699N. Comprehensive approach to jazz arranging, including chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

0101	Timothy Powell	Seats (Total: 12)
	W 2:30pm - 5:00pm	PAC 2168

MUSC659 **Seminar in Repertoire and Pedagogy**

MUSC659 Seminar in Repertoire and Pedagogy; (2 credits) Grade Method: REG/AUD.

0101	Edward Maclary	Seats (Total: 6)
	MW 10:00am - 10:50am	PAC 2164

MUSC659B **Seminar in Repertoire and Pedagogy; Orchestral**

MUSC659B *(PermReq)* **Seminar in Repertoire and Pedagogy: Orchestral; (2 credits)** Grade Method: REG/AUD.

0101	James Ross	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC659C **Seminar in Repertoire and Pedagogy; Wind**

MUSC659C *(PermReq)* **Seminar in Repertoire and Pedagogy: Wind; (2-3 credits)** Grade Method: REG/AUD.

0101	Michael Votta	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC669F **Orchestral Excerpts for String Players; BASS**

MUSC669F Orchestral Excerpts for String Players: BASS; (1 credit) Grade Method: REG/AUD.

0101	Robert Oppelt	Seats (Total: 15)
	W 4:30pm - 5:45pm	Location: TBA

MUSC669V **Orchestral Excerpts for String Players; HARP**

MUSC669V Orchestral Excerpts for String Players: HARP; (1 credit) Grade Method: REG/AUD.

0101	Sarah Fuller	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC670 **Advanced Analytical Techniques I**

MUSC670 *(PermReq)* **Advanced Analytical Techniques I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC451; or permission of ARHU-School of Music department. Analysis of representative masterpieces of the eighteenth and early nineteenth centuries.

0101	Lawrence Moss W 5:30pm - 8:00pm	Seats (Total: 12) PAC 2164

MUSC672 **Masterworks of the 20th Century: 1900-1950**

MUSC672 Masterworks of the 20th Century: 1900-1950; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department; and must not have completed MUSC470. Credit only granted for: MUSC448M, MUSC470, MUSC672, or MUSC699M. Formerly: MUSC699M. A comprehensive survey of Western Art-Music of the first half of the 20th Century with a more intensive study and analysis of composers who have had a profound influence in the development of compositional practice in the modern era.

0101	Mark Wilson TuTh 2:00pm - 3:15pm	Seats (Total: 15) PAC 3168

MUSC679N **Seminar in Ethnomusicology; Music and Nation Building**

MUSC679N Seminar in Ethnomusicology: Music and Nation Building; (3 credits) Grade Method: REG.

0101	Fernando Rios W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC688 **Advanced Orchestration**

MUSC688 *(PermReq)* **Advanced Orchestration; (3 credits)** Grade Method: REG/AUD.

0101	Mark Wilson TuTh 11:00am - 12:15pm	Seats (Total: 5) PAC 2168

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD. Advanced special students require department authorization. Limited to conducting majors only.

0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 10) PAC 3164 PAC 1230
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 10) PAC 3168

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699E **Selected Topics in Music; Symphonic Literature**

MUSC699E *(PermReq)* **Selected Topics in Music: Symphonic Literature; (3 credits)** Grade Method: REG.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 6) PAC 3110A

MUSC699I **Selected Topics in Music; Charles Ives: Music and Issues**

MUSC699I Selected Topics in Music: Charles Ives: Music and Issues; (1-3 credits) Grade Method: REG/AUD.

0101	Patrick Warfield M 6:30pm - 9:00pm	Seats (Total: 12) PAC 3110A

MUSC699V **Selected Topics in Music; Vocal Coaching**

MUSC699V *(PermReq)* **Selected Topics in Music: Vocal Coaching; (1-3 credits)** Grade Method: REG.
Restriction: For graduate Collaborative Piano majors only.

0101	Robert McReynolds	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC758 **Advanced Aural Skills for Conductors**

MUSC758 *(PermReq)* **Advanced Aural Skills for Conductors; (1 credit)** Grade Method: REG.

0101	Michael Votta	Seats (Total: 5)
	W 1:00pm - 2:15pm	PAC 2126

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800A **Advanced Seminar in Music Pedagogy**

MUSC800A Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Rita Sloan	Seats (Total: 5)
	TBA	PAC 2126

MUSC800W **Advanced Seminar in Music Pedagogy**

MUSC800W *(PermReq)* **Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC801A **Advanced Seminar in Music Pedagogy**

MUSC801A Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Robert McReynolds	Seats (Total: 10)
	Th 9:00am - 12:30pm	PAC 2126

MUSC801P **Advanced Seminar in Music Pedagogy**

MUSC801P Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Cleveland Page	Seats (Total: 10)	
	Th 12:30pm - 3:00pm	PAC 2126	

MUSC801V **Advanced Seminar in Music Pedagogy**

MUSC801V Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Martha Randall	Seats (Total: 15)	
	W 3:00pm - 5:30pm	PAC 3168	

MUSC801W **Advanced Seminar in Music Pedagogy**

MUSC801W *(PermReq)* **Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC812 **Doctoral Opera Techniques II**

MUSC812 Doctoral Opera Techniques II; (2 credits) Grade Method: REG/AUD.
Prerequisite: MUSC811; and permission of ARHU-School of Music department. Credit only granted for: MUSC612 or MUSC812. Continuation of MUSC811. Techniques for opera preformance: Scene Study II; Acting II; Movement II: Stage Combat I; and Mask; and methodology seminar.

0101	Nicholas Olcott	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC814 **Doctoral Opera Techniques IV**

MUSC814 Doctoral Opera Techniques IV; (2 credits) Grade Method: REG/AUD. *Prerequisite: MUSC813; and permission of ARHU-School of Music department. Credit only granted for: MUSC614 or MUSC814.* Continuation of MUSC813. Techniques for opera performance: Scene Study IV; Dance II; Movement IV; and methodology seminar.

0101	Nicholas Olcott	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	James Ross	Seats (Total: 8)
	Contact instructor or department for details.	

MUSC830W **Doctoral Seminar in Music Literature**

MUSC830W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC831C **Doctoral Seminar in Music Literature**

MUSC831C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC831S **Doctoral Seminar in Music Literature**

MUSC831S Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0101	Kenneth Slowik	Seats (Total: 15)
	M 9:00am - 12:00pm	PAC 2126

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSP Music Performance Spring 2014

MUSP102A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP102B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP102C **Music Performance; Violin**
Contact department for information to register for this course.

MUSP102D **Music Performance; Viola**
Contact department for information to register for this course.

MUSP102E **Music Performance; Cello**
Contact department for information to register for this course.

MUSP102F **Music Performance; Bass**
Contact department for information to register for this course.

MUSP102G **Music Performance; Flute**
Contact department for information to register for this course.

MUSP102H **Music Performance; Oboe**
Contact department for information to register for this course.

MUSP102I **Music Performance; Clarinet**
Contact department for information to register for this course.

MUSP102J **Music Performance; Bassoon**
Contact department for information to register for this course.

MUSP102K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP102L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP102M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP102N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP102O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP102P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP102Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP102S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP103A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP103B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP103C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP103D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP103E	**Music Performance; Cello** **Contact department for information to register for this course.**

MUSP103F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP103G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP103H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP103I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP103J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP103K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP103L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP103M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP103N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP103O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP103P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP103Q	**Music Performance; Percussion** **Contact department for information to register for this course.**

MUSP103S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP103T	**Music Performance; Instrument Composition** **Contact department for information to register for this course.**
MUSP109A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP109B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP109C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP109D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP109E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP109F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP109G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP109H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP109I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP109J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP109K	**Music Performance; Saxophone** **Contact department for information to register for this course.**

MUSP109L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP109M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP109N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP109O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP109P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP109Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP109S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP109V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP110A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP110B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP110C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP110D	**Music Performance; Viola** **Contact department for information to register for this course.**

MUSP110E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP110F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP110G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP110H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP110I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP110J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP110K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP110L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP110M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP110N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP110O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP110P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP110Q	**Music Performance; Percussion** **Contact department for information to register for this course.**

MUSP110S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP110V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP119A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP119B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP119C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP119D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP119E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP119F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP119G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP119H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP119I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP119J	**Music Performance; Bassoon** **Contact department for information to register for this course.**

MUSP119K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP119L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP119M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP119N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP119O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP119P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP119Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP119T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP119V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP119W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP120A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP120B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP120C	**Music Performance; Violin** **Contact department for information to register for this course.**

MUSP120D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP120E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP120F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP120G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP120H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP120I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP120J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP120K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP120L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP120M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP120N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP120O	**Music Performance; Tuba** **Contact department for information to register for this course.**

MUSP120P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP120Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP120S	**Music Performance** **Contact department for information to register for this course.**
MUSP120T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP120V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP120W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP202A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP202B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP202C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP202D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP202E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP202F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP202G	**Music Performance; Flute** **Contact department for information to register for this course.**

MUSP202H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP202I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP202J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP202K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP202L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP202M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP202N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP202O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP202P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP202Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP202S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP203A	**Music Performance; Piano** **Contact department for information to register for this course.**

MUSP203B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP203C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP203D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP203E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP203F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP203G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP203H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP203I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP203J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP203K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP203L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP203M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP203N	**Music Performance; Trombone** **Contact department for information to register for this course.**

MUSP203O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP203P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP203Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP203S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP203V	**Music Performance** **Contact department for information to register for this course.**
MUSP207A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP207B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP207C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP207D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP207E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP207F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP207G	**Music Performance; Flute** **Contact department for information to register for this course.**

MUSP207H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP207I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP207J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP207K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP207L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP207M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP207N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP207O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP207P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP207Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP207S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP207V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP208A	**Music Performance; Piano** **Contact department for information to register for this course.**

MUSP208B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP208C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP208D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP208E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP208F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP208G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP208H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP208I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP208J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP208K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP208L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP208M	**Music Performance; Trumpet** **Contact department for information to register for this course.**

MUSP208N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP208O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP208P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP208Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP208S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP208V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP217A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP217B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP217C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP217D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP217E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP217F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP217G	**Music Performance; Flute** **Contact department for information to register for this course.**

MUSP217H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP217I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP217J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP217K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP217L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP217M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP217N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP217O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP217P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP217Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP217T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP217V	**Music Performance; Harp** **Contact department for information to register for this course.**

MUSP217W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP218A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP218B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP218C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP218D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP218E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP218F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP218G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP218H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP218I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP218J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP218K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP218L	**Music Performance; Horn** **Contact department for information to register for this course.**

MUSP218M **Music Performance; Trumpet**
Contact department for information to register for this course.

MUSP218N **Music Performance; Trombone**
Contact department for information to register for this course.

MUSP218O **Music Performance; Tuba**
Contact department for information to register for this course.

MUSP218P **Music Performance; Euphonium**
Contact department for information to register for this course.

MUSP218Q **Music Performance; Percussion**
Contact department for information to register for this course.

MUSP218S **Music Performance; Music Performance: Guitar**

MUSP218S Music Performance: Music Performance: Guitar; (2-4 credits) Grade Method: REG/AUD.

0101	Gerard Kunkel	Seats (Total: 5)
	F 12:00pm - 1:15pm	Location: TBA

MUSP218T **Music Performance; Composition**
Contact department for information to register for this course.

MUSP218V **Music Performance; Harp**
Contact department for information to register for this course.

MUSP218W **Music Performance; Electronic Composition**
Contact department for information to register for this course.

MUSP302A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP302B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP302C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP302D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP302E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP302F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP302G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP302H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP302I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP302J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP302K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP302L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP302M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP302N	**Music Performance; Trombone** **Contact department for information to register for this course.**

MUSP302O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP302P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP302Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP302S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP302V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP303A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP303B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP303C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP303D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP303E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP303F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP303G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP303H	**Music Performance; Oboe** **Contact department for information to register for this course.**

MUSP303I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP303J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP303K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP303L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP303M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP303N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP303O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP303P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP303Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP303S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP303V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP305A	**Music Performance; Piano** **Contact department for information to register for this course.**

MUSP305B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP305C **Music Performance; Violin**
Contact department for information to register for this course.

MUSP305D **Music Performance; Viola**
Contact department for information to register for this course.

MUSP305E **Music Performance; Cello**
Contact department for information to register for this course.

MUSP305F **Music Performance; Bass**
Contact department for information to register for this course.

MUSP305G **Music Performance; Flute**
Contact department for information to register for this course.

MUSP305H **Music Performance; Oboe**
Contact department for information to register for this course.

MUSP305I **Music Performance; Clarinet**
Contact department for information to register for this course.

MUSP305J **Music Performance; Bassoon**
Contact department for information to register for this course.

MUSP305K **Music Performance; Saxophone**
Contact department for information to register for this course.

MUSP305L **Music Performance; Horn**
Contact department for information to register for this course.

MUSP305M **Music Performance; Trumpet**
Contact department for information to register for this course.

MUSP305N **Music Performance; Trombone**
Contact department for information to register for this course.

MUSP305O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP305P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP305Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP305S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP305V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP306A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP306B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP306C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP306D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP306E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP306F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP306G	**Music Performance; Flute** **Contact department for information to register for this course.**

MUSP306H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP306I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP306J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP306K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP306L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP306M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP306N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP306O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP306P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP306Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP306S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP306V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP315A	**Music Performance; Piano** **Contact department for information to register for this course.**

MUSP315B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP315C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP315D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP315E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP315F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP315G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP315H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP315I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP315J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP315K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP315L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP315M	**Music Performance; Trumpet** **Contact department for information to register for this course.**

MUSP315N **Music Performance; Trombone**
Contact department for information to register for this course.

MUSP315O **Music Performance; Tuba**
Contact department for information to register for this course.

MUSP315P **Music Performance; Euphonium**
Contact department for information to register for this course.

MUSP315Q **Music Performance; Percussion**
Contact department for information to register for this course.

MUSP315T **Music Performance; Composition**
Contact department for information to register for this course.

MUSP315V **Music Performance; Harp**
Contact department for information to register for this course.

MUSP315W **Music Performance; Electronic Composition**
Contact department for information to register for this course.

MUSP316A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP316B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP316C **Music Performance; Violin**
Contact department for information to register for this course.

MUSP316D **Music Performance; Viola**
Contact department for information to register for this course.

MUSP316E **Music Performance; Cello**
Contact department for information to register for this course.

MUSP316F **Music Performance; Bass**
Contact department for information to register for this course.

MUSP316G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP316H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP316I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP316J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP316K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP316L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP316M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP316N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP316O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP316P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP316Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP316S	**Music Performance; Music Peformance: Guitar** **MUSP316S Music Performance: Music Peformance: Guitar; (2-4 credits)** Grade Method: REG/AUD.

0101	Gerard Kunkel F 12:00pm - 1:15pm	Seats (Total: 5) Location: TBA

MUSP316T **Music Performance; Composition**
Contact department for information to register for this course.

MUSP316V **Music Performance; Harp**
Contact department for information to register for this course.

MUSP316W **Music Performance; Electronic Composition**
Contact department for information to register for this course.

MUSP402A **Music Performance; Piano**
Contact department for information to register for this course.

MUSP402B **Music Performance; Voice**
Contact department for information to register for this course.

MUSP402C **Music Performance; Violin**
Contact department for information to register for this course.

MUSP402D **Music Performance; Viola**
Contact department for information to register for this course.

MUSP402E **Music Performance; Cello**
Contact department for information to register for this course.

MUSP402F **Music Performance; Bass**
Contact department for information to register for this course.

MUSP402G **Music Performance; Flute**
Contact department for information to register for this course.

MUSP402H **Music Performance; Oboe**
Contact department for information to register for this course.

MUSP402I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP402J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP402K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP402L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP402M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP402N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP402O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP402P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP402Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP402S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP402V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP403A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP403B	**Music Performance; Voice** **Contact department for information to register for this course.**

MUSP403C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP403D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP403E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP403F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP403G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP403H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP403I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP403J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP403K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP403L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP403M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP403N	**Music Performance; Trombone** **Contact department for information to register for this course.**

MUSP403O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP403P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP403Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP403S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP409A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP409B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP409C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP409D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP409E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP409F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP409G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP409H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP409I	**Music Performance; Clarinet** **Contact department for information to register for this course.**

MUSP409J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP409K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP409L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP409M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP409N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP409O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP409P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP409Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP409S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP409V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP410A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP410B	**Music Performance; Voice** **Contact department for information to register for this course.**

MUSP410C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP410D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP410E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP410F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP410G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP410H	**Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP410I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP410J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP410K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP410L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP410M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP410N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP410O	**Music Performance; Tuba** **Contact department for information to register for this course.**

MUSP410P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP410Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP410S	**Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP410V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP419A	**Music Performance; Piano** **Contact department for information to register for this course.**
MUSP419B	**Music Performance; Voice** **Contact department for information to register for this course.**
MUSP419C	**Music Performance; Violin** **Contact department for information to register for this course.**
MUSP419D	**Music Performance; Viola** **Contact department for information to register for this course.**
MUSP419E	**Music Performance; Cello** **Contact department for information to register for this course.**
MUSP419F	**Music Performance; Bass** **Contact department for information to register for this course.**
MUSP419G	**Music Performance; Flute** **Contact department for information to register for this course.**
MUSP419H	**Music Performance; Oboe** **Contact department for information to register for this course.**

MUSP419I	**Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP419J	**Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP419K	**Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP419L	**Music Performance; Horn** **Contact department for information to register for this course.**
MUSP419M	**Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP419N	**Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP419O	**Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP419P	**Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP419Q	**Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP419T	**Music Performance; Composition** **Contact department for information to register for this course.**
MUSP419V	**Music Performance; Harp** **Contact department for information to register for this course.**
MUSP419W	**Music Performance; Electronic Composition** **Contact department for information to register for this course.**
MUSP420A	**Senior Recital; Piano** **Contact department for information to register for this course.**

MUSP420B	**Senior Recital; Voice** **Contact department for information to register for this course.**
MUSP420C	**Senior Recital; Violin** **Contact department for information to register for this course.**
MUSP420D	**Senior Recital; Viola** **Contact department for information to register for this course.**
MUSP420E	**Senior Recital; Cello** **Contact department for information to register for this course.**
MUSP420F	**Senior Recital; Bass** **Contact department for information to register for this course.**
MUSP420G	**Senior Recital; Flute** **Contact department for information to register for this course.**
MUSP420H	**Senior Recital; Oboe** **Contact department for information to register for this course.**
MUSP420I	**Senior Recital; Clarinet** **Contact department for information to register for this course.**
MUSP420J	**Senior Recital; Bassoon** **Contact department for information to register for this course.**
MUSP420K	**Senior Recital; Saxophone** **Contact department for information to register for this course.**
MUSP420L	**Senior Recital; Horn** **Contact department for information to register for this course.**
MUSP420M	**Senior Recital; Trumpet** **Contact department for information to register for this course.**

MUSP420N	**Senior Recital; Trombone** **Contact department for information to register for this course.**
MUSP420O	**Senior Recital; Tuba** **Contact department for information to register for this course.**
MUSP420P	**Senior Recital; Euphonium** **Contact department for information to register for this course.**
MUSP420Q	**Senior Recital; Percussion** **Contact department for information to register for this course.**
MUSP420T	**Senior Recital; Composition** **Contact department for information to register for this course.**
MUSP420V	**Senior Recital; Harp** **Contact department for information to register for this course.**
MUSP420W	**Senior Recital; Electronic Composition** **Contact department for information to register for this course.**
MUSP609A	**Interpretation and Repertoire; Piano** **Contact department for information to register for this course.**
MUSP609B	**Interpretation and Repertoire; Voice** **Contact department for information to register for this course.**
MUSP609C	**Interpretation and Repertoire; Violin** **Contact department for information to register for this course.**
MUSP609D	**Interpretation and Repertoire; Viola** **Contact department for information to register for this course.**
MUSP609E	**Interpretation and Repertoire; Cello** **Contact department for information to register for this course.**
MUSP609F	**Interpretation and Repertoire; Bass** **Contact department for information to register for this course.**

MUSP609G	**Interpretation and Repertoire; Flute** **Contact department for information to register for this course.**
MUSP609H	**Interpretation and Repertoire; Oboe** **Contact department for information to register for this course.**
MUSP609I	**Interpretation and Repertoire; Clarinet** **Contact department for information to register for this course.**
MUSP609J	**Interpretation and Repertoire; Bassoon** **Contact department for information to register for this course.**
MUSP609K	**Interpretation and Repertoire; Saxophone** **Contact department for information to register for this course.**
MUSP609L	**Interpretation and Repertoire; Horn** **Contact department for information to register for this course.**
MUSP609M	**Interpretation and Repertoire; Trumpet** **Contact department for information to register for this course.**
MUSP609N	**Interpretation and Repertoire; Trombone** **Contact department for information to register for this course.**
MUSP609O	**Interpretation and Repertoire; Tuba** **Contact department for information to register for this course.**
MUSP609P	**Interpretation and Repertoire; Euphonium** **Contact department for information to register for this course.**
MUSP609Q	**Interpretation and Repertoire; Percussion** **Contact department for information to register for this course.**
MUSP609S	**Interpretation and Repertoire; World Instruments** **Contact department for information to register for this course.**

MUSP609T	**Interpretation and Repertoire; Composition** **Contact department for information to register for this course.**
MUSP609U	**Interpretation and Repertoire; Conducting** **Contact department for information to register for this course.**
MUSP609V	**Interpretation and Repertoire; Harp** **Contact department for information to register for this course.**
MUSP609X	**Interpretation and Repertoire; Historical Instruments - Keyboard** **Contact department for information to register for this course.**
MUSP610A	**Graduate Music Performance; Piano** **Contact department for information to register for this course.**
MUSP610B	**Graduate Music Performance; Voice** **Contact department for information to register for this course.**
MUSP610C	**Graduate Music Performance; Violin** **Contact department for information to register for this course.**
MUSP610D	**Graduate Music Performance; Viola** **Contact department for information to register for this course.**
MUSP610E	**Graduate Music Performance; Cello** **Contact department for information to register for this course.**
MUSP610F	**Graduate Music Performance; Bass** **Contact department for information to register for this course.**
MUSP610G	**Graduate Music Performance; Flute** **Contact department for information to register for this course.**
MUSP610H	**Graduate Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP610I	**Graduate Music Performance; Clarinet** **Contact department for information to register for this course.**

MUSP610J	**Graduate Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP610K	**Graduate Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP610L	**Graduate Music Performance; Horn** **Contact department for information to register for this course.**
MUSP610M	**Graduate Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP610N	**Graduate Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP610O	**Graduate Music Performance; Tuba** **Contact department for information to register for this course.**
MUSP610P	**Graduate Music Performance; Euphonium** **Contact department for information to register for this course.**
MUSP610Q	**Graduate Music Performance; Percussion** **Contact department for information to register for this course.**
MUSP610S	**Graduate Music Performance; Guitar** **Contact department for information to register for this course.**
MUSP610T	**Graduate Music Performance; Composition** **Contact department for information to register for this course.**
MUSP610U	**Graduate Music Performance; Conducting** **Contact department for information to register for this course.**
MUSP610V	**Graduate Music Performance; Harp** **Contact department for information to register for this course.**

MUSP610X	**Graduate Music Performance; Historical Instruments - Keyboard** **Contact department for information to register for this course.**
MUSP619A	**Interpretation and Repertoire; Piano** **Contact department for information to register for this course.**
MUSP619B	**Interpretation and Repertoire; Voice** **Contact department for information to register for this course.**
MUSP619C	**Interpretation and Repertoire; Violin** **Contact department for information to register for this course.**
MUSP619D	**Interpretation and Repertoire; Viola** **Contact department for information to register for this course.**
MUSP619E	**Interpretation and Repertoire; Cello** **Contact department for information to register for this course.**
MUSP619F	**Interpretation and Repertoire; Bass** **Contact department for information to register for this course.**
MUSP619G	**Interpretation and Repertoire; Flute** **Contact department for information to register for this course.**
MUSP619H	**Interpretation and Repertoire; Oboe** **Contact department for information to register for this course.**
MUSP619I	**Interpretation and Repertoire; Clarinet** **Contact department for information to register for this course.**
MUSP619J	**Interpretation and Repertoire; Bassoon** **Contact department for information to register for this course.**
MUSP619K	**Interpretation and Repertoire; Saxophone** **Contact department for information to register for this course.**
MUSP619L	**Interpretation and Repertoire; Horn** **Contact department for information to register for this course.**

MUSP619M	**Interpretation and Repertoire; Trumpet** **Contact department for information to register for this course.**
MUSP619N	**Interpretation and Repertoire; Trombone** **Contact department for information to register for this course.**
MUSP619O	**Interpretation and Repertoire; Tuba** **Contact department for information to register for this course.**
MUSP619P	**Interpretation and Repertoire; Euphonium** **Contact department for information to register for this course.**
MUSP619Q	**Interpretation and Repertoire; Percussion** **Contact department for information to register for this course.**
MUSP619S	**Interpretation and Repertoire; Guitar** **Contact department for information to register for this course.**
MUSP619T	**Interpretation and Repertoire; Composition** **Contact department for information to register for this course.**
MUSP619U	**Interpretation and Repertoire; Conducting** **Contact department for information to register for this course.**
MUSP619V	**Interpretation and Repertoire; Harp** **Contact department for information to register for this course.**
MUSP619W	**Interpretation and Repertoire; Electronic Composition** **Contact department for information to register for this course.**
MUSP620A	**Graduate Music Performance; Piano** **Contact department for information to register for this course.**
MUSP620B	**Graduate Music Performance; Voice** **Contact department for information to register for this course.**

MUSP620C	**Graduate Music Performance; Violin** **Contact department for information to register for this course.**
MUSP620D	**Graduate Music Performance; Viola** **Contact department for information to register for this course.**
MUSP620E	**Graduate Music Performance; Cello** **Contact department for information to register for this course.**
MUSP620F	**Graduate Music Performance; Bass** **Contact department for information to register for this course.**
MUSP620G	**Graduate Music Performance; Flute** **Contact department for information to register for this course.**
MUSP620H	**Graduate Music Performance; Oboe** **Contact department for information to register for this course.**
MUSP620I	**Graduate Music Performance; Clarinet** **Contact department for information to register for this course.**
MUSP620J	**Graduate Music Performance; Bassoon** **Contact department for information to register for this course.**
MUSP620K	**Graduate Music Performance; Saxophone** **Contact department for information to register for this course.**
MUSP620L	**Graduate Music Performance; Horn** **Contact department for information to register for this course.**
MUSP620M	**Graduate Music Performance; Trumpet** **Contact department for information to register for this course.**
MUSP620N	**Graduate Music Performance; Trombone** **Contact department for information to register for this course.**
MUSP620O	**Graduate Music Performance; Tuba** **Contact department for information to register for this course.**

MUSP620P **Graduate Music Performance; Euphonium**
Contact department for information to register for this course.

MUSP620Q **Graduate Music Performance; Percussion**
Contact department for information to register for this course.

MUSP620S **Graduate Music Performance; Guitar**
Contact department for information to register for this course.

MUSP620T **Graduate Music Performance; Composition**
Contact department for information to register for this course.

MUSP620U **Graduate Music Performance; Conducting**
Contact department for information to register for this course.

MUSP620V **Graduate Music Performance; Harp**
Contact department for information to register for this course.

MUSP620W **Graduate Music Performance; Electronic Composition**
Contact department for information to register for this course.

MUSP621A **Interpretation, Repertoire, and Performance**
Contact department for information to register for this course.

MUSP621U **Interpretation, Repertoire, and Performance**
Contact department for information to register for this course.

MUSP679 **Practicum**

MUSP679 *(PermReq)* **Practicum; (1 credit)** Grade Method: REG.

0101	Michael Votta	Seats (Total: 5)
	Contact instructor or department for details.	

MUSP719A **Interpretation and Repertoire; Piano**
Contact department for information to register for this course.

MUSP719B	**Interpretation and Repertoire; Voice** **Contact department for information to register for this course.**
MUSP719C	**Interpretation and Repertoire; Violin** **Contact department for information to register for this course.**
MUSP719D	**Interpretation and Repertoire; Viola** **Contact department for information to register for this course.**
MUSP719E	**Interpretation and Repertoire; Cello** **Contact department for information to register for this course.**
MUSP719F	**Interpretation and Repertoire; Bass** **Contact department for information to register for this course.**
MUSP719G	**Interpretation and Repertoire; Flute** **Contact department for information to register for this course.**
MUSP719H	**Interpretation and Repertoire; Oboe** **Contact department for information to register for this course.**
MUSP719I	**Interpretation and Repertoire; Clarinet** **Contact department for information to register for this course.**
MUSP719J	**Interpretation and Repertoire; Bassoon** **Contact department for information to register for this course.**
MUSP719K	**Interpretation and Repertoire; Saxophone** **Contact department for information to register for this course.**
MUSP719L	**Interpretation and Repertoire; Horn** **Contact department for information to register for this course.**
MUSP719M	**Interpretation and Repertoire; Trumpet** **Contact department for information to register for this course.**
MUSP719N	**Interpretation and Repertoire; Trombone** **Contact department for information to register for this course.**

MUSP719O	**Interpretation and Repertoire; Tuba** **Contact department for information to register for this course.**
MUSP719P	**Interpretation and Repertoire; Euphonium** **Contact department for information to register for this course.**
MUSP719Q	**Interpretation and Repertoire; Percussion** **Contact department for information to register for this course.**
MUSP719R	**Interpretation and Repertoire; Organ/Harpsichord** **Contact department for information to register for this course.**
MUSP719T	**Interpretation and Repertoire; Composition** **Contact department for information to register for this course.**
MUSP719U	**Interpretation and Repertoire; Conducting** **Contact department for information to register for this course.**
MUSP719V	**Interpretation and Repertoire** **Contact department for information to register for this course.**
MUSP719W	**Interpretation and Repertoire; Electronic Composition** **Contact department for information to register for this course.**
MUSP815A	**Interpretation, Performance, and Pedagogy; Piano** **Contact department for information to register for this course.**
MUSP815B	**Interpretation, Performance, and Pedagogy; Voice** **Contact department for information to register for this course.**
MUSP815C	**Interpretation, Performance, and Pedagogy; Violin** **Contact department for information to register for this course.**
MUSP815D	**Interpretation, Performance, and Pedagogy; Viola** **Contact department for information to register for this course.**

MUSP815E	**Interpretation, Performance, and Pedagogy; Cello** **Contact department for information to register for this course.**
MUSP815F	**Interpretation, Performance, and Pedagogy; Bass** **Contact department for information to register for this course.**
MUSP815G	**Interpretation, Performance, and Pedagogy; Flute** **Contact department for information to register for this course.**
MUSP815H	**Interpretation, Performance, and Pedagogy; Oboe** **Contact department for information to register for this course.**
MUSP815I	**Interpretation, Performance, and Pedagogy; Clarinet** **Contact department for information to register for this course.**
MUSP815J	**Interpretation, Performance, and Pedagogy; Bassoon** **Contact department for information to register for this course.**
MUSP815K	**Interpretation, Performance, and Pedagogy; Saxophone** **Contact department for information to register for this course.**
MUSP815L	**Interpretation, Performance, and Pedagogy; Horn** **Contact department for information to register for this course.**
MUSP815M	**Interpretation, Performance, and Pedagogy; Trumpet** **Contact department for information to register for this course.**
MUSP815N	**Interpretation, Performance, and Pedagogy; Trombone** **Contact department for information to register for this course.**
MUSP815O	**Interpretation, Performance, and Pedagogy; Tuba** **Contact department for information to register for this course.**
MUSP815P	**Interpretation, Performance, and Pedagogy; Euphonium** **Contact department for information to register for this course.**
MUSP815Q	**Interpretation, Performance, and Pedagogy; Percussion** **Contact department for information to register for this course.**

MUSP815R	**Interpretation, Performance, and Pedagogy; Organ/Harpsichord** **Contact department for information to register for this course.**
MUSP815T	**Interpretation, Performance, and Pedagogy; Composition** **Contact department for information to register for this course.**
MUSP815U	**Interpretation, Performance, and Pedagogy; Conducting** **Contact department for information to register for this course.**
MUSP815V	**Interpretation, Performance, and Pedagogy; Harp** **Contact department for information to register for this course.**
MUSP815W	**Interpretation, Performance, and Pedagogy; Electronic Composition** **Contact department for information to register for this course.**
MUSP816A	**Interpretation, Performance, and Pedagogy; Piano** **Contact department for information to register for this course.**
MUSP816B	**Interpretation, Performance, and Pedagogy; Voice** **Contact department for information to register for this course.**
MUSP816C	**Interpretation, Performance, and Pedagogy; Violin** **Contact department for information to register for this course.**
MUSP816D	**Interpretation, Performance, and Pedagogy; Viola** **Contact department for information to register for this course.**
MUSP816E	**Interpretation, Performance, and Pedagogy; Cello** **Contact department for information to register for this course.**
MUSP816F	**Interpretation, Performance, and Pedagogy; Bass** **Contact department for information to register for this course.**
MUSP816G	**Interpretation, Performance, and Pedagogy; Flute** **Contact department for information to register for this course.**

MUSP816H	**Interpretation, Performance, and Pedagogy; Oboe** **Contact department for information to register for this course.**
MUSP816I	**Interpretation, Performance, and Pedagogy; Clarinet** **Contact department for information to register for this course.**
MUSP816J	**Interpretation, Performance, and Pedagogy; Bassoon** **Contact department for information to register for this course.**
MUSP816K	**Interpretation, Performance, and Pedagogy; Saxophone** **Contact department for information to register for this course.**
MUSP816L	**Interpretation, Performance, and Pedagogy; Horn** **Contact department for information to register for this course.**
MUSP816M	**Interpretation, Performance, and Pedagogy; Trumpet** **Contact department for information to register for this course.**
MUSP816N	**Interpretation, Performance, and Pedagogy; Trombone** **Contact department for information to register for this course.**
MUSP816O	**Interpretation, Performance, and Pedagogy; Tuba** **Contact department for information to register for this course.**
MUSP816P	**Interpretation, Performance, and Pedagogy; Euphonium** **Contact department for information to register for this course.**
MUSP816Q	**Interpretation, Performance, and Pedagogy; Percussion** **Contact department for information to register for this course.**
MUSP816T	**Interpretation, Performance, and Pedagogy; Composition** **Contact department for information to register for this course.**
MUSP816U	**Interpretation, Performance, and Pedagogy; Conducting** **Contact department for information to register for this course.**
MUSP816V	**Interpretation, Performance, and Pedagogy; Harp** **Contact department for information to register for this course.**

MUSP816W	**Interpretation, Performance, and Pedagogy; Electronic Composition** **Contact department for information to register for this course.**
MUSP817A	**Interpretation, Performance, and Pedagogy; Piano** **Contact department for information to register for this course.**
MUSP817B	**Interpretation, Performance, and Pedagogy; Voice** **Contact department for information to register for this course.**
MUSP817C	**Interpretation, Performance, and Pedagogy; Violin** **Contact department for information to register for this course.**
MUSP817D	**Interpretation, Performance, and Pedagogy; Viola** **Contact department for information to register for this course.**
MUSP817E	**Interpretation, Performance, and Pedagogy; Cello** **Contact department for information to register for this course.**
MUSP817F	**Interpretation, Performance, and Pedagogy; Bass** **Contact department for information to register for this course.**
MUSP817G	**Interpretation, Performance, and Pedagogy; Flute** **Contact department for information to register for this course.**
MUSP817H	**Interpretation, Performance, and Pedagogy; Oboe** **Contact department for information to register for this course.**
MUSP817I	**Interpretation, Performance, and Pedagogy; Clarinet** **Contact department for information to register for this course.**
MUSP817J	**Interpretation, Performance, and Pedagogy; Bassoon** **Contact department for information to register for this course.**
MUSP817K	**Interpretation, Performance, and Pedagogy; Saxophone** **Contact department for information to register for this course.**

MUSP817L	**Interpretation, Performance, and Pedagogy; Horn** **Contact department for information to register for this course.**
MUSP817M	**Interpretation, Performance, and Pedagogy; Trumpet** **Contact department for information to register for this course.**
MUSP817N	**Interpretation, Performance, and Pedagogy; Trombone** **Contact department for information to register for this course.**
MUSP817O	**Interpretation, Performance, and Pedagogy; Tuba** **Contact department for information to register for this course.**
MUSP817P	**Interpretation, Performance, and Pedagogy; Euphonium** **Contact department for information to register for this course.**
MUSP817Q	**Interpretation, Performance, and Pedagogy; Percussion** **Contact department for information to register for this course.**
MUSP817T	**Interpretation, Performance, and Pedagogy; Composition** **Contact department for information to register for this course.**
MUSP817U	**Interpretation, Performance, and Pedagogy; Conducting** **Contact department for information to register for this course.**
MUSP817V	**Interpretation, Performance, and Pedagogy; Harp** **Contact department for information to register for this course.**
MUSP817W	**Interpretation, Performance, and Pedagogy; Electronic Composition** **Contact department for information to register for this course.**
MUSP898	**Pre-Candidacy Research** **MUSP898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**
MUSP899	**Doctoral Dissertation Research**

MUSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Spring 2014

NACS600 **Ethics in Scientific Research**

NACS600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Prerequisite: Must have completed a year of graduate study. Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program. Credit only granted for: NACS600, PSYC788B, or BIOL600. Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as BIOL600, CHEM648E, and PSCY788B.

0101	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208
0102	Arthur Popper, Cynthia Moss W 3:00pm - 5:00pm	Seats (Total: 10) BPS 2249

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1 credit) Grade Method: REG.

0101	Robert Dooling F 10:15am - 11:15am	Seats (Total: 20) BRB 1103

NACS642 **Cognitive Neuroscience**

NACS642 Cognitive Neuroscience; (4 credits) Grade Method: REG/AUD.
A study of the fundamental concepts and techniques of cognitive neuroscience. Hands-on experience with three critically different cognitive neuroscience methods: EEG, MEG, and fMRI.

0101	Ellen Lau	Seats (Total: 15)
	TuTh 10:00am - 12:00pm	GVC 1117

NACS643 **Computational Neuroscience**

NACS643 *(PermReq)* **Computational Neuroscience; (4 credits)** Grade Method: REG/AUD.
Prerequisite: NACS641; and must have completed a course in calculus; and permission of instructor. Provides a mathematical foundation in computational neuroscience. Use of a computer with MATLAB will be required for the homework assignments.

0101	Daniel Butts	Seats (Total: 20)
	MW 12:00pm - 1:50pm	PLS 1115

NACS644 **Cellular and Molecular Neuroscience**

NACS644 Cellular and Molecular Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS641; or permission of instructor. Overview of insights into the molecular mechanisms underlying the structure and function of the nervous system.

0101	Elizabeth Quinlan	Seats (Total: 20)
	TuTh 3:30pm - 5:30pm	PLS 1113

NACS728G **Selected Topics in Neuroscience and Cognitive Science; Early Social Cognition**

NACS728G Selected Topics in Neuroscience and Cognitive Science: Early Social Cognition; (3 credits) Grade Method: REG/AUD.
Also offered as NACS728G. Credit granted for NACS728G or PSYC789R. This graduate seminar explores the foundations of social cognition and behavior, from birth through the first few years of life. Topics will include representations of intentional agents, expectations for agent's behavior, children's attitudes towards and evaluations of the social world, early communication, prosocial motivations, and sensitivity to social norms. The emphasis will be on empirical studies with children, but we will also draw from work with adults and other species. If you are interested in this course but are unable to participate at the listed time, please contact the instructor.

0101	Jonathan Beier Tu 3:30pm - 6:00pm	Seats (Total: 15) BPS 1103

NACS728K **Selected Topics in Neuroscience and Cognitive Science; Neurological Basis of Human Communications**

NACS728K Selected Topics in Neuroscience and Cognitive Science: Neurological Basis of Human Communications; (3 credits) Grade Method: REG/AUD.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 30) LEF 2166

NACS728L **Selected Topics in Neuroscience and Cognitive Science; Neurophysiology of Reward, Decision-making, and Executive Function**

NACS728L *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Neurophysiology of Reward, Decision-making, and Executive Function; (3 credits)** Grade Method: REG/AUD.
Also offered as PSYC798X. Examines the neural signals in several brain areas including midbrain dopamine neurons, striatum, and cortex. Topics will include neural correlates related to motivation, reward-processing, and executive function. The focus will be on neural signals collected from awake behaving animals.

0101	Matthew Roesch TuTh 12:30pm - 1:45pm	Seats (Total: 10) BPS 1112

NACS728N **Selected Topics in Neuroscience and Cognitive Science; Diseases of the Nervous System**

NACS728N Selected Topics in Neuroscience and Cognitive Science: Diseases of the Nervous System; (3 credits) Grade Method: REG.
Also offered as BIOL708E.

0101	Joshua Singer TuTh 2:00pm - 3:15pm	Seats (Total: 5) SYM 0200

NACS728Q **Selected Topics in Neuroscience and Cognitive Science; Biological Bases of Behavior Laboratory**

NACS728Q *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/AUD.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab

NACS798 **Master's Non-Thesis Research**

NACS798 Master's Non-Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS799 **Master's Thesis Research**

NACS799 Master's Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Spring 2014

NFSC100 Elements of Nutrition

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences. Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Seong-Ho Lee MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 TLF 1101	Discussion
0102	Seong-Ho Lee MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 EDU 3236	Discussion
0103	Seong-Ho Lee MW 11:00am - 11:50am Tu 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 HBK 0105	Discussion
0104	Seong-Ho Lee MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 EGR 1102	Discussion
0105	Seong-Ho Lee MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0106	Seong-Ho Lee MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 LEF 2208	Discussion

0107	Seong-Ho Lee MW 11:00am - 11:50am Th 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 ASY 3221	Discussion
0108	Seong-Ho Lee MW 11:00am - 11:50am W 12:00pm - 12:50pm *Section 0108 is recommended for majors only.*	Seats (Total: 25) TYD 0130 HBK 0108	Discussion
0109	Seong-Ho Lee MW 11:00am - 11:50am W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 ARM 0118	Discussion
0110	Seong-Ho Lee MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 ARM 0105	Discussion
0111	Seong-Ho Lee MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 KEY 0123	Discussion
0112	Seong-Ho Lee MW 11:00am - 11:50am Tu 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 ARM 0105	Discussion
0113	Seong-Ho Lee MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 JMZ 0122	Discussion
0114	Seong-Ho Lee MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) TYD 0130 JMZ 0122	Discussion
0115	Seong-Ho Lee MW 11:00am - 11:50am Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 ASY 3219	Discussion
0116	Seong-Ho Lee MW 11:00am - 11:50am Tu 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 ARM 0103	Discussion

0117	Seong-Ho Lee MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 ARM 0121	Discussion
0118	Seong-Ho Lee MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 25) TYD 0130 ASY 3221	Discussion

NFSC220 **Social, Cultural and Environmental Perspectives on Food and Nutrition**

NFSC220 Social, Cultural and Environmental Perspectives on Food and Nutrition; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
If diet is a very straightforward topic; then why and how does this simple matter result in complicated health problems? Diet can provide a simple solution to numerous health issues. So, why do many people fail to follow this seemingly simple solution and still suffer from obesity and other diet-related diseases? Diet is a topic that most people know but few people understand. In addition, diet has become one of the most important lenses for looking at a variety of social, economic, and cultural issues. Since the concept of diet is continuum and has multifaceted aspects, we need to understand it in broad and multidisciplinary perspectives including social, cultural and economic aspects. Through this course, the students will be challenged to explore a familiar issue using unfamiliar connections from various disciplines. The course will be delivered with five modules and each module is anchored with readings and/or interactive and student engaging activities.

0101	Hee-Jung Song TuTh 11:00am - 12:15pm	Seats (Total: 30) MMH 3112	

NFSC315 **Nutrition During the Life Cycle**

NFSC315 Nutrition During the Life Cycle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC100. Formerly: NUTR315. A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements. Students will apply this knowledge to the dietary needs and food choices of these different groups.

0101	Caroline Rocourt, Robert Jackson TuTh 2:00pm - 3:15pm	Seats (Total: 101) HJP 0226

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.

Contact department for information to register for this course.

NFSC388 **Honors Thesis Research**

NFSC388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC398 **Seminar**

NFSC398 Seminar; (1 credit) Grade Method: REG.
FDSC majors only.

0101	Qin Wang F 12:00pm - 12:50pm	Seats (Total: 15) SKN 0101

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC414 **Mechanics of Food Processing**

NFSC414 Mechanics of Food Processing; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS121. Credit only granted for: ENBE414 or NFSC414. Formerly: ENBE414. Applications in the processing and preservation of foods, of power transmission, hydraulics, electricity, thermodynamics, refrigeration, instruments and controls, materials handling and time and motion analysis.

0101	Yangming Lo	Seats (Total: 20)	
	MW 10:00am - 10:50am	MMH 0108	
	F 1:00pm - 2:30pm	SYM 0115	Lab

NFSC430 **Food Microbiology**

NFSC430 Food Microbiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223; or permission of instructor. Credit only granted for: ANSC430 or NFSC430. Formerly: FDSC430. A study of microorganisms of major importance to the food industry with emphasis on food-borne outbreaks, public health significance, bioprocessing of foods, disease control, and the microbial spoilage of foods. Also offered as NFSC679M.

0101	Robert Buchanan	Seats (Total: 40)	
	MW 11:00am - 12:15pm	SKN 0104	

NFSC431 **Food Quality Control**

NFSC431 Food Quality Control; (4 credits) Grade Method: REG/P-F/AUD.
Definition and organization of the quality control function in the food industry; preparation of specifications; statistical methods for acceptance sampling; in-plant and processed product inspection. Instrumental and sensory methods for evaluating sensory quality, identity and wholesomeness and their integration into grades and standards of quality. Statistical Process Control (SPC).

0101	Abani Pradhan	Seats (Total: 20)	
	TuTh 11:00am - 11:50am	SKN 0101	
	F 9:00am - 11:30am	MMH 3419	Lab

NFSC434 **Food Microbiology Laboratory**

NFSC434 Food Microbiology Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in NFSC430. Credit only granted for: NFSC434 or ANSC434. Formerly: FDSC434. A study of techniques and procedures used in the microbiological examination of foods.

0101	Robert Buchanan	Seats (Total: 20)	
	TuTh 12:30pm - 4:00pm	MMH 3419	Lab

NFSC450 **Food and Nutrient Analysis**

NFSC450 Food and Nutrient Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BCHM461 and NFSC100. Formerly: NUTR450. Methods and practices of the analysis of foods and nutrients. An overview of the principles and basic mechanisms used in many of the analytical procedures commonly used in food and nutrition research. Emphasis will be placed on hands-on development of skills necessary to complete each analytical procedure; and on the accurate and concise description of the methodology and results from their application and on the regulations governing food analysis for nutritional labeling.

0101	Instructor: TBA	Seats (Total: 13)	
	W 1:00pm - 1:50pm	MMH 3112	
	W 2:00pm - 5:00pm	MMH 3419	Lab
0102	Instructor: TBA	Seats (Total: 13)	
	W 1:00pm - 1:50pm	MMH 3112	
	M 1:00pm - 4:00pm	MMH 3419	Lab

NFSC460 **Medical Nutrition Therapy**

NFSC460 *(PermReq)* **Medical Nutrition Therapy; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: NFSC380 and NFSC440; and permission of AGNR-Nutrition and Food Science department. Formerly: NUTR460. Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders.

0101	Margaret Udahogora	Seats (Total: 17)	
	MW 1:00pm - 2:15pm	PLS 1117	
	M 2:30pm - 5:30pm	MMH 3418	Lab

0102	Margaret Udahogora	Seats (Total: 17)	
	MW 1:00pm - 2:15pm W 2:30pm - 5:30pm	PLS 1117 ASY 3221	Lab

NFSC470 **Community Nutrition**

NFSC470 Community Nutrition; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: NFSC315; and permission of AGNR-Nutrition and Food Science department. Formerly: NUTR470. Perspectives underlying the practice of nutrition services in community settings. Assessment of needs, program planning and evaluation. Programs and strategies to meet nutrition needs outside the acute care setting, such as nutrition education and food assistance. National nutrition policy and federal initiatives in nutrition will be examined. Students will be required to travel to local community nutrition sites during the semester.

0101	Nadine Sahyoun	Seats (Total: 40)	
	MW 11:00am - 11:50am F 10:00am - 11:50am	MMH 0108 TYD 2106	Discussion

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC491 **Issues and Problems in Dietetics**

NFSC491 Issues and Problems in Dietetics; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: NFSC350; and permission of AGNR-Nutrition and Food Science department. Corequisite: NFSC460. Restriction: Senior standing or higher; and must be in Nutrition and Food Science: Dietetics program. A capstone course for dietetics majors. Students will integrate knowledge and theory of nutrition, food, management, psychology, and social behaviors necessary to support quality dietetic practice. Working in teams, students will participate in case studies, simulated situations and community projects. Individuals and groups will present cases as well as papers on published research.

0101	Kathleen Pellechia	Seats (Total: 25)
	MW 8:30am - 10:50am	HBK 0103

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498L **Selected Topics; Diet and Optimal Human Health**

NFSC498L Selected Topics: Diet and Optimal Human Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Seong-Ho Lee	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	EGR 1108

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678L **Selected Topics in Nutrition; Diet and Optimal Human Health**

NFSC678L Selected Topics in Nutrition: Diet and Optimal Human Health; (3 credits) Grade Method: REG/AUD.

0101	Seong-Ho Lee	Seats (Total: 5)
	Tu 2:00pm - 4:30pm	EGR 1108

NFSC679E **Selected Topics in Food Science; Mechanics of Food Processing**

NFSC679E Selected Topics in Food Science: Mechanics of Food Processing; (4 credits) Grade Method: REG.

0101	Yangming Lo	Seats (Total: 9)	
	MW 10:00am - 10:50am	MMH 0108	
	F 1:00pm - 2:30pm	Location: TBA	Lab

NFSC679M **Selected Topics in Food Science; Food Microbiology**

NFSC679M Selected Topics in Food Science: Food Microbiology; (3 credits) Grade Method: REG.
Also offered as NFSC430.

0101	Robert Buchanan	Seats (Total: 6)
	MW 11:00am - 12:15pm	SKN 0104

NFSC679P **Selected Topics in Food Science; Food Polymer Science**

NFSC679P Selected Topics in Food Science: Food Polymer Science; (3 credits) Grade Method: REG.

0101	Qin Wang	Seats (Total: 15)
	Th 1:00pm - 3:45pm	SKN 0101

NFSC688 **Seminar in Nutrition and Food Science**

NFSC688 Seminar in Nutrition and Food Science; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Jackson	Seats (Total: 25)
	W 12:00pm - 12:50pm	SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NIAV National Institute of Aeronautics - Univ of VA — Spring 2014

NIAV788A **Advanced Topics; Engineering Design Optimization**
Contact department for information to register for this course.

NIAV788W **Advanced Topics; Statistics for Engineers and Scientists**

NIAV788W Advanced Topics: Statistics for Engineers and Scientists; (3 credits) Grade Method: REG.

TV01	Sung Lee	Seats (Total: 20)
	Contact instructor or department for details.	

PERS Persian Spring 2014

PERS102 **Elementary Persian II**

PERS102 Elementary Persian II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS101; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.* Continuation of PERS101 with emphasis on the use of formal language, vocabulary building, and reading.

0101	Payman Vafaee	Seats (Total: 15)
	MTuW 10:00am - 10:50am F 10:00am - 10:50am	SQH 2119 SQH 2117

PERS202 **Intermediate Persian II**

PERS202 Intermediate Persian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PERS201; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian. Further development of speaking, writing, listening and cultural knowledge, with special focus on culture.

0101	Nahal Akbari-Saneh	Seats (Total: 15)
	MWF 11:00am - 11:50am	SQH 1101

PERS212 **Intermediate Reading in Persian**

PERS212 Intermediate Reading in Persian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS211 and PERS201; or permission of instructor. Corequisite: PERS202; or permission of instructor. Focus on linguistic skill specific to reading; introduction to written traditions of Persian.

0101	Nahal Akbari-Saneh MWF 1:00pm - 1:50pm	Seats (Total: 15) SQH 2119

PERS302 **Advanced Persian II**

PERS302 Advanced Persian II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be native/fluent speaker of Persian.* Further development of speaking, reading, writing, listening and cultural knowledge, with special focus on reading, in a variety of literary genres.

0101	Ali Abasi MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 2125

PERS312 **Contemporary Iranian Culture**

PERS312 Contemporary Iranian Culture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be native/fluent speaker of Persian.* Study of the culture of contemporary Iran (post-evolution) with focus on the contemporary social, political, literary and artistic life in Iran. Taught in Persian.

0101	Ali Abasi MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 0205

PERS353 **Iranian Life in Literature and Film**

PERS353 Iranian Life in Literature and Film; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities. Treats major themes in modern literature and life of Iranians. Topics examined include Iranian identity, religious traditions, modern life, and expatriate communities. Taught in English.

0101	Ahmad Karimi-Hakkak MW 2:00pm - 3:15pm	Seats (Total: 30) JMZ 0205

PERS371 **Introduction to Persian Literature in Translation**

PERS371 Introduction to Persian Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.

0101	Fatemeh Keshavarz-Karamustafa	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 1122

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS402 **Persian Translation**

PERS402 Persian Translation; (3 credits) Grade Method: REG/AUD.
Prerequisite: PERS302; or permission of ARHU-School of Languages, Literatures, and Cultures department. Focuses on hands-on practice of English/Persian and Persian/English translation as well as the problematic issues of translation. Taught in Persian.

0101	Ahmad Karimi-Hakkak	Seats (Total: 15)
	MW 3:30pm - 4:45pm	JMZ 2125

PERS498 **Special Topics in Persian Studies**

PERS498 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS689 **Special Topics in Persian Studies**

PERS689 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS689C **Special Topics in Persian Studies; Islam in the Medieval Mediterranean**

PERS689C Special Topics in Persian Studies: Islam in the Medieval Mediterranean; (3 credits) Grade Method: REG/AUD.

0101	Ahmet Karamustafa W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2103	

PHIL Philosophy Spring 2014

PHIL100 **Introduction to Philosophy**

PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Ryan Ogilvie TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) SKN 0200 EGR 1102	Discussion
0102	Ryan Ogilvie TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) SKN 0200 EGR 3114	Discussion
0103	Ryan Ogilvie TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) SKN 0200 EDU 0114	Discussion
0104	Ryan Ogilvie TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) SKN 0200 PLS 1164	Discussion
0105	Ryan Ogilvie TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) SKN 0200 EDU 3315	Discussion
0106	Ryan Ogilvie TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 23) SKN 0200 HBK 0103	Discussion

0201	Vincent Picciuto MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 24) KEY 0106 ARM 0110	Discussion
0202	Vincent Picciuto MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 23) KEY 0106 LEF 2208	Discussion
0203	Vincent Picciuto MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 24) KEY 0106 KEY 0116	Discussion
0204	Vincent Picciuto MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 23) KEY 0106 BPS 1236	Discussion
0205	Vincent Picciuto MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) KEY 0106 PLS 1111	Discussion
0206	Vincent Picciuto MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 23) KEY 0106 ASY 3217	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Mark Engelbert TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 BPS 1238	Discussion
0102	Mark Engelbert TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 24) SHM 2102 EDU 2101	Discussion

0103	Mark Engelbert TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 24) SHM 2102 KEY 0103	Discussion
0104	Mark Engelbert TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 EGR 2154	Discussion
0105	Mark Engelbert TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 24) SHM 2102 KEY 0126	Discussion
0106	Mark Engelbert TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 24) SHM 2102 PLS 1146	Discussion
0201	Andrew Knoll MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 EGR 0108	Discussion
0202	Andrew Knoll MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 PLS 1117	Discussion
0203	Andrew Knoll MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 EDU 3236	Discussion
0204	Andrew Knoll MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 TLF 1103	Discussion
0205	Andrew Knoll MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 KEY 0103	Discussion
0206	Andrew Knoll MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 LEF 2208	Discussion

PHIL170 Introduction to Logic

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Allen Stairs MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 SKN 0104	 Discussion
0102	Allen Stairs MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 EDU 0206	 Discussion
0103	Allen Stairs MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 SQH 1103	 Discussion
0104	Allen Stairs MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 EGR 3106	 Discussion
0105	Allen Stairs MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 SKN 1112	 Discussion
0106	Allen Stairs MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PLS 1115	 Discussion
0107	Allen Stairs MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 EGR 0135	 Discussion
0108	Allen Stairs MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 TLF 1103	 Discussion
0109	Allen Stairs MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 EDU 2119	 Discussion

PHIL209B **Investigating Darwin's Dangerous Idea**

PHIL209B Investigating Darwin's Dangerous Idea; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Erin Eaker TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) SQH 1120 MMH 3418	Discussion
0102	Erin Eaker TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 23) SQH 1120 HBK 0105	Discussion
0103	Erin Eaker TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) SQH 1120 HBK 1112	Discussion

PHIL209C **Philosophical Issues: Heated Debates: Philosophy and Climate Change**

PHIL209C Philosophical Issues: Heated Debates: Philosophy and Climate Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Mathias Frisch MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 23) ASY 1213 CHM 0119	Discussion
0102	Mathias Frisch MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 23) ASY 1213 SYM 0209	Discussion
0103	Mathias Frisch MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 23) ASY 1213 TLF 1103	Discussion

PHIL209M **Philosophical Issues; Moral Philosophy**
Contact department for information to register for this course.

PHIL209N **Know Thyself: Wisdom Through Cognitive Science**

PHIL209N Know Thyself: Wisdom Through Cognitive Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Signature Courses - I-Series.
How do we improve our decision making? Reflection on the practical implications of some recent findings in cognitive science.

0101	Instructor: TBA MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 23) TYD 2106 CHE 2118	Discussion
0102	Instructor: TBA MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 23) TYD 2106 PLS 1164	Discussion
0103	Instructor: TBA MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 23) TYD 2106 KEY 1117	Discussion

PHIL209X **Philosophical Issues; Philosophy of Language and Logic**
Contact department for information to register for this course.

PHIL209Z **Philosophical Issues; Introduction to Continental Philosophy**
Contact department for information to register for this course.

PHIL233 **Philosophy in Literature**

PHIL233 Philosophy in Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

0102	Logan Fletcher MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 35) TYD 2109 TYD 1102	Discussion

0103	Logan Fletcher MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 34) TYD 2109 LEF 1220	Discussion

PHIL245 **Political and Social Philosophy I**

PHIL245 Political and Social Philosophy I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

0101	Michael Zenz TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 23) TYD 2109 PLS 1117	Discussion
0102	Michael Zenz TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 23) TYD 2109 PLS 1111	Discussion
0103	Michael Zenz TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 23) TYD 2109 HBK 0105	Discussion

PHIL282 **Free Will & Determinism**

PHIL282 Free Will & Determinism; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A study of the main positions and arguments in the free will debate in contemporary analytic philosophy.

0101	Patricia Greenspan TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 24) TYD 1102 ARC 1105	Discussion
0102	Patricia Greenspan TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 24) TYD 1102 EDU 1121	Discussion

0103	Patricia Greenspan TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 1102 SKN 0104	Discussion

PHIL308X **Studies in Contemporary Philosophy; Metaphysics of Mind**

PHIL308X Studies in Contemporary Philosophy: Metaphysics of Mind; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Credits in PHIL courses. Philosophical questions about minds and selves. Is the mind just the brain, or something immaterial? Are we unified selves, or just loose bundles of mental events? What makes each of us the same person from moment to moment?.

0101	Christian Tarsney MW 12:00pm - 12:50pm Class time/details on ELMs	Seats (Total: 33) SKN 1115 ONLINE	Discussion

PHIL308Y **Studies in Contemporary Philosophy; Philosophy and World Religions**
Contact department for information to register for this course.

PHIL320 **Modern Philosophy**

PHIL320 Modern Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in PHIL courses. A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

0101	Gregory Canning MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 KNI 1105	Discussion
0102	Gregory Canning MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2109 WDS 1130	Discussion
0103	Gregory Canning MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 MMH 0108	Discussion

PHIL324 **Existentialism**

PHIL324 Existentialism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in PHIL courses. A study of authors such as Kierkegaard, Nietzsche, Heidegger, Sarte, and Camus on issues of human morality, freedom, and suffering.

0101	Dimiter Kirilov TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 COL 0102	 Discussion
0102	Dimiter Kirilov TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 HBK 0109	 Discussion
0103	Dimiter Kirilov TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 HBK 0108	 Discussion

PHIL328C **Studies in the History of Philosophy; Chinese Philosophy**

PHIL328C Studies in the History of Philosophy: Chinese Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Credits in PHIL courses. A survey of the philosophical traditions of China including Confucianism, Mohism, Legalism, Taoism and Zen Buddhism, with a focus on the nature of mind and the interactions among mind, nature and society.

0101	Xuan Wang MW 11:00am - 11:50am Class time/details on ELMs	Seats (Total: 33) SKN 1115 ONLINE	 Discussion

PHIL328W **Studies in the History of Philosophy; Plato, Politics and Persuasion**

PHIL328W Studies in the History of Philosophy: Plato, Politics and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Credits in PHIL courses.

0101	Rachel Singpurwalla TuTh 2:00pm - 3:15pm	Seats (Total: 33) HBK 0103	

PHIL354 **Philosophy of Physics**

PHIL354 Philosophy of Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH220 or PHYS260; or students who have taken courses with comparable content may contact the department; or permission of ARHU-Philosophy department. Recommended: PHYS401 and PHYS270. Credit only granted for: PHIL354 or PHIL452.* An introduction to current issues at the interface of physics and philosophy, associated with our current picture of the physical world as fundamentally quantum mechanical. Topics include the debate between Einstein and Bohr on the objectivity and completeness of the quantum description, nonlocality and Bell's theorem, realism and the measurement problem, irreversibility and the arrow of time.

0101	Allen Stairs	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SKN 0104

PHIL364 **Metaphysics**

PHIL364 Metaphysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses. Formerly: PHIL464.* The study of some central metaphysical concepts and issues including the nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Lane Desautels	Seats (Total: 33)
	TuTh 9:30am - 10:45am	SKN 1115

PHIL366 **Philosophy of Mind**

PHIL366 Philosophy of Mind; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses.* An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

0101	Dimiter Kirilov	Seats (Total: 33)
	TuTh 2:00pm - 3:15pm	SKN 1115

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-Philosophy department; and junior standing or higher. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408C **Topics in Contemporary Philosophy; Self Knowledge and Other-Knowledge**

PHIL408C Topics in Contemporary Philosophy: Self Knowledge and Other-Knowledge; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Credits in PHIL courses. Is self-knowledge special? Examines philosophical and scientific theories of knowledge of our own and other people's mental states.

0101	Peter Carruthers	Seats (Total: 28)	
	MW 2:00pm - 3:15pm	SKN 1115	

PHIL408I **Topics in Contemporary Philosophy; Individual & Group Decision Making**

PHIL408I Topics in Contemporary Philosophy: Individual & Group Decision Making; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eric Pacuit	Seats (Total: 28)	
	MW 10:00am - 10:50am	SKN 1112	
	Class time/details on ELMs	ONLINE	Discussion

PHIL408O **Topics in Contemporary Philosophy; Implicit Meaning**

PHIL408O Topics in Contemporary Philosophy: Implicit Meaning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Credits in PHIL courses. Explores different ways in which we might mean more than we say, and the relevance such implicit meaning to the philosophy of language.

0101	Alexander Williams	Seats (Total: 28)	
	TuTh 11:00am - 12:15pm	MTH 0307	

PHIL408R **Topics in Contemporary Philosophy; Gray Matters: Philosophical Issues in Neuroscience**

PHIL408R Topics in Contemporary Philosophy: Gray Matters: Philosophical Issues in Neuroscience; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 hours of PHIL courses. An examination of topics at the intersection of philosophy and neuroscience including: the nature of neuroscientific explanation, mechanisms and ruthless reductionism, neuroscientific explanations of cognition, emotion, happiness, and consciousness.

0101	Vincent Picciuto	Seats (Total: 28)	
	MW 1:00pm - 1:50pm	SKN 1115	
	Class time/details on ELMs	ONLINE	Discussion

PHIL408V **Topics in Contemporary Philosophy; Bioethics**

PHIL408V Topics in Contemporary Philosophy: Bioethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Six Credits in PHIL courses.

0101	Samuel Kerstein	Seats (Total: 28)
	TuTh 12:30pm - 1:45pm	TYD 2110

PHIL408Y **Topics in Contemporary Philosophy; Philosophy of Science II**
Contact department for information to register for this course.

PHIL414 **The Philosophy of Aristotle**

PHIL414 The Philosophy of Aristotle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 courses in PHIL. A critical study of selected portions of Aristotle's writings.

0101	Rachel Singpurwalla	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	SKN 1115

PHIL424 **The Philosophy of Spinoza**

PHIL424 The Philosophy of Spinoza; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 3 credits in PHIL courses; or permission of ARHU-Philosophy department. Restriction: Must not have completed JWST453. Also offered as: JWST453. Credit only granted for: JWST453 or PHIL424.* An investigation of the metaphysical, ethical and political thought of the 17th century philosopher Benedict Spinoza.

0101	Charles Manekin Tu 1:00pm - 3:30pm	Seats (Total: 15) SKN 1116

PHIL428L **Topics in the History of Philosophy; Confucius' Many lives in East Asia & Asian America**

PHIL428L Topics in the History of Philosophy: Confucius' Many lives in East Asia & Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498B, HIST428K, and RELS419M. Credit will be granted for one of the following: AAST498B, HIST428K, PHIL428L, or RELS419M. Explores the strong influences of Confucian cultural ideals in East Asia and among Asian Americans, from ancient China to the 21st century modern present, focusing on the ways diverse peoples imagined Confucius to meet the needs of their times. Topics include: ideas about leading a good and meaningful life, religion, philosophy, family, politics, and education, as well as globalimigrations of ideas, peoples, and cultural practices in the Pacific World.

0101	Lisa Mar MW 2:00pm - 3:15pm	Seats (Total: 40) PLS 1119

PHIL440 **Contemporary Ethical Theory**

PHIL440 Contemporary Ethical Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL341; or permission of instructor.* Contemporary work on fundamental problems in ethical theory, such as whether there are moral truths, whether and how our moral claims can be justified, what exactly makes an act right or wrong, the nature of moral language, and the role of reason and emotion in moral judgment.

0101	Samuel Kerstein TuTh 11:00am - 12:15pm	Seats (Total: 28) LEF 2208

PHIL478B **Topics in Philosophical Logic; Logics for Defeasible Reasoning**

PHIL478B Topics in Philosophical Logic: Logics for Defeasible Reasoning; (3 credits) Grade Method: REG/P-F.
Prerequisite: PHIL370 or equivalent work in logic, or permission of instructor. Logics ("defeasible" or "non-monotonic") for reasoning with uncertain, incomplete, and inconsistent information.

0101	John Horty	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	SKN 1115

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498Z **Topical Investigations; Realism and Idealism**
Contact department for information to register for this course.

PHIL640 **Value Theory**

PHIL640 Value Theory; (3 credits) Grade Method: REG/AUD.
A basic course in value theory for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Patricia Greenspan	Seats (Total: 20)
	Th 5:00pm - 7:30pm	SKN 1116

PHIL788 **Research in Philosophy**

PHIL788 Research in Philosophy; (1-6 credits) Grade Method: REG/AUD.

0101	John Brown Contact instructor or department for details.	Seats (Total: 10)
0201	Jeffrey Bub Contact instructor or department for details.	Seats (Total: 10)
0301	Peter Carruthers Contact instructor or department for details.	Seats (Total: 10)
0401	Christopher Cherniak Contact instructor or department for details.	Seats (Total: 10)
0501	Lindley Darden Contact instructor or department for details.	Seats (Total: 10)
0601	Mathias Frisch Contact instructor or department for details.	Seats (Total: 10)
0701	Patricia Greenspan Contact instructor or department for details.	Seats (Total: 10)
0801	John Horty Contact instructor or department for details.	Seats (Total: 10)
0901	Samuel Kerstein Contact instructor or department for details.	Seats (Total: 10)
1001	Erin Eaker Contact instructor or department for details.	Seats (Total: 10)
1101	Jerrold Levinson Contact instructor or department for details.	Seats (Total: 10)
1201	Dan Moller Contact instructor or department for details.	Seats (Total: 10)
1301	Charles Manekin Contact instructor or department for details.	Seats (Total: 10)
1401	Susan Dwyer Contact instructor or department for details.	Seats (Total: 10)

1501	Michael Morreau Contact instructor or department for details.	Seats (Total: 10)
1601	Eric Pacuit Contact instructor or department for details.	Seats (Total: 10)
1701	Alexander Williams Contact instructor or department for details.	Seats (Total: 10)
1801	Georges Rey Contact instructor or department for details.	Seats (Total: 10)
1901	Andrew Levine Contact instructor or department for details.	Seats (Total: 10)
2001	Allen Stairs Contact instructor or department for details.	Seats (Total: 10)
2101	Rachel Singpurwalla Contact instructor or department for details.	Seats (Total: 15)
2201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
2301	Aidan Lyon Contact instructor or department for details.	Seats (Total: 10)
2501	Paul Pietroski Contact instructor or department for details.	Seats (Total: 10)
2701	Christopher Morris Contact instructor or department for details.	Seats (Total: 10)

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL808C **Seminar in the Problems of Philosophy; The Nature of (Moral) Judgment**

PHIL808C Seminar in the Problems of Philosophy: The Nature of (Moral) Judgment; (3 credits) Grade Method: REG/AUD.

0101	Susan Dwyer	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	SKN 1116

PHIL808D **Seminar in the Problems of Philosophy; Logical Form**

PHIL808D Seminar in the Problems of Philosophy: Logical Form; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski	Seats (Total: 15)
	Th 1:00pm - 3:30pm	SKN 1116

PHIL828C **Seminar in the History of Philosophy; The Philosophy of Spinoza**

PHIL828C Seminar in the History of Philosophy: The Philosophy of Spinoza; (3 credits) Grade Method: REG/AUD.
Also offered as JWST619C. Credit will be granted for one of the followi ng: JWST619C or PHIL828C.

0101	Charles Manekin	Seats (Total: 15)
	Tu 1:00pm - 3:30pm	SKN 1116

PHIL858E **Seminar in Logic and Philosophy of Sciences; Epistemic Foundations of Game Theory**

PHIL858E Seminar in Logic and Philosophy of Sciences: Epistemic Foundations of Game Theory; (3 credits) Grade Method: REG/AUD.

0101	Eric Pacuit	Seats (Total: 15)
	M 1:00pm - 3:30pm	SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Spring 2014

PHYS104 **How Things Work: Science Foundations**

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Must have math eligibility of MATH110 or higher. Restriction: Must not have completed PHYS121; and students who have completed PHYS121 or any higher PHYS course may contact the department for permission to take the course.
This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0101	Gregory Sullivan	Seats (Total: 44)	
	TuTh 12:30pm - 1:45pm	PHY 0405	

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS107).
Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

0101	Jordan Goodman	Seats (Total: 155)	
	MWF 2:00pm - 2:50pm	PHY 1410	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

0101	Andris Skuja	Seats (Total: 24)	
	M 3:00pm - 4:50pm	PHY 3214	Lab

0301	Andris Skuja Tu 1:00pm - 2:50pm	Seats (Total: 24) PHY 3214	 Lab
0501	Andris Skuja W 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	 Lab

PHYS111 **Physics in the Modern World**
Contact department for information to register for this course.

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education). Credit only granted for: PHYS115 or PHYS117.* Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	David Buehrle MTuW 2:00pm - 3:50pm	Seats (Total: 20) PHY 3316
0201	David Buehrle MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required.

0301	Sergio Picozzi	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	M 11:00am - 12:50pm	PHY 3306	Lab
	M 10:00am - 10:50am	PLS 1113	Discussion
0302	Sergio Picozzi	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	Tu 1:00pm - 2:50pm	PHY 3306	Lab
	Tu 12:00pm - 12:50pm	PHY 1204	Discussion
0303	Sergio Picozzi	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	Th 12:00pm - 1:50pm	PHY 3306	Lab
	Th 11:00am - 11:50am	PHY 1204	Discussion
0304	Sergio Picozzi	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	Th 4:00pm - 5:50pm	PHY 3306	Lab
	Th 3:00pm - 3:50pm	MTH 0405	Discussion
0305	Sergio Picozzi	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Tu 4:00pm - 4:50pm	MTH 0401	Discussion
0401	Sergio Picozzi	Seats (Total: 26)	
	M 7:00pm - 8:50pm	PHY 1201	
	W 7:00pm - 7:50pm	PHY 1201	
	M 5:00pm - 6:50pm	PHY 3306	Lab
	W 8:00pm - 8:50pm	PHY 1204	Discussion
0402	Sergio Picozzi	Seats (Total: 19)	
	M 7:00pm - 8:50pm	PHY 1201	
	W 7:00pm - 7:50pm	PHY 1201	
	W 8:00pm - 9:50pm	PHY 3306	Lab
	M 9:00pm - 9:50pm	PHY 1219	Discussion

SES1	Sergio Picozzi M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 9:50pm M 9:00pm - 9:50pm *This section is retricted to SIE majors only.*	Seats (Total: 7) PHY 1410 PHY 1410 PHY 3306 PHY 1219	 Lab Discussion

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 11,2. If purchasing used books additional software may be required.

0301	Sergio Picozzi TuTh 3:30pm - 4:45pm Th 10:00am - 11:50am Th 9:00am - 9:50am	Seats (Total: 24) PHY 1410 PHY 3314 PHY 1219	 Lab Discussion
0302	Sergio Picozzi TuTh 3:30pm - 4:45pm Th 12:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) PHY 1410 PHY 3314 PHY 1201	 Lab Discussion
0303	Sergio Picozzi TuTh 3:30pm - 4:45pm M 2:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 24) PHY 1410 PHY 3314 PHY 0405	 Lab Discussion
0304	Sergio Picozzi TuTh 3:30pm - 4:45pm W 2:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 24) PHY 1410 PHY 3314 PHY 1402	 Lab Discussion

0501	Sergio Picozzi	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	W 6:00pm - 7:50pm	PHY 3314	Lab
	W 5:00pm - 5:50pm	PHY 1204	Discussion
0502	Instructor: TBA	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Tu 5:00pm - 6:50pm	PHY 3314	Lab
	Tu 4:00pm - 4:50pm	PHY 0405	Discussion
0503	Sergio Picozzi	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	M 7:00pm - 8:50pm	PHY 3314	Lab
	M 6:00pm - 6:50pm	PHY 0405	Discussion
0504	Sergio Picozzi	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	W 8:00pm - 9:50pm	PHY 3314	Lab
	W 7:00pm - 7:50pm	PHY 1402	Discussion
SES1	Instructor: TBA	Seats (Total: 21)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Th 8:00pm - 9:50pm	PHY 3314	Lab
	Tu 9:00pm - 9:50pm	PHY 1402	Discussion
	This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for comp lete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	George Sherwood	Seats (Total: 30)	
	TuTh 9:30am - 10:45am	BLD2 1012	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission. Friday Lab meets at Rockville Campus, Montgomery County.		

PHYS131 **Fundamentals of Physics for Life Sciences I**

PHYS131 Fundamentals of Physics for Life Sciences I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130, MATH131, BSCI105, BSCI106, and CHEM131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121 or PHYS131. The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts. Students must pay a $50.00 laboratory materials fee.

0101	Edward Redish, Arpita Upadhyaya	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	Th 9:00am - 10:50am	PHY 3310	Lab
	Th 8:00am - 8:50am	PHY 3310	Discussion
0102	Arpita Upadhyaya, Edward Redish	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	Tu 9:00am - 10:50am	PHY 3310	Lab
	Tu 8:00am - 8:50am	PHY 3310	Discussion
0103	Edward Redish, Arpita Upadhyaya	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	Th 3:00pm - 4:50pm	PHY 3310	Lab
	Th 2:00pm - 2:50pm	PHY 3310	Discussion
0201	Alan Peel, Edward Redish	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 9:00am - 10:50am	PHY 3310	Lab
	W 8:00am - 8:50am	PHY 3310	Discussion
0202	Edward Redish, Alan Peel	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 3:00pm - 4:50pm	PHY 3310	Lab
	W 2:00pm - 2:50pm	PHY 3310	Discussion
0203	Alan Peel, Edward Redish	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 3:00pm - 4:50pm	PHY 3310	Lab
	M 2:00pm - 2:50pm	PHY 3310	Discussion

PHYS132 **Fundamentals of Physics for Life Sciences II**

PHYS132 Fundamentals of Physics for Life Sciences II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122 or PHYS132. The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts. Students must pay a $50.00 laboratory materials fee.

0101	Thomas Antonsen	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 12:00pm - 1:50pm	PHY 3312	Lab
	M 11:00am - 11:50am	PHY 3312	Discussion
0102	Thomas Antonsen	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 12:00pm - 1:50pm	PHY 3312	Lab
	W 11:00am - 11:50am	PHY 3312	Discussion
0103	Thomas Antonsen	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 12:00pm - 1:50pm	PHY 3312	Lab
	Tu 11:00am - 11:50am	PHY 3312	Discussion
0104	Thomas Antonsen	Seats (Total: 22)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3312	Lab
	Tu 2:00pm - 2:50pm	PHY 3312	Discussion
0105	Thomas Antonsen	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Th 9:00am - 10:50am	PHY 3312	Lab
	Th 8:00am - 8:50am	PHY 3312	Discussion
0201	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	Tu 9:00am - 10:50am	PHY 3312	Lab
	Tu 8:00am - 8:50am	PHY 3312	Discussion

0202	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	W 3:00pm - 4:50pm	PHY 3312	Lab
	W 2:00pm - 2:50pm	PHY 3312	Discussion
0203	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	M 3:00pm - 4:50pm	PHY 3312	Lab
	M 2:00pm - 2:50pm	PHY 3312	Discussion
0204	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	W 9:00am - 10:50am	PHY 3312	Lab
	W 8:00am - 8:50am	PHY 3312	Discussion
0205	David Buehrle	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1410	
	Th 3:00pm - 4:50pm	PHY 3312	Lab
	Th 2:00pm - 2:50pm	PHY 3312	Discussion

PHYS142 **Principles of Physics**

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: PHYS141; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.* A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics Clinic, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required.

0101	Rabindra Mohapatra	Seats (Total: 16)	
	MWF 11:00am - 11:50am	PHY 1410	
	M 1:00pm - 2:50pm	PHY 3301	Lab
	M 12:00pm - 12:50pm	MTH 0104	Discussion
0102	Rabindra Mohapatra	Seats (Total: 16)	
	MWF 11:00am - 11:50am	PHY 1410	
	M 3:00pm - 4:50pm	PHY 3301	Lab
	M 2:00pm - 2:50pm	MTH 0405	Discussion

0103	Rabindra Mohapatra MWF 11:00am - 11:50am Tu 1:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 16) PHY 1410 PHY 3301 COL 0102	 Lab Discussion
0104	Rabindra Mohapatra MWF 11:00am - 11:50am W 1:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 16) PHY 1410 PHY 3301 PHY 0405	 Lab Discussion
0105	Rabindra Mohapatra MWF 11:00am - 11:50am Th 1:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 16) PHY 1410 PHY 3301 PHY 1204	 Lab Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics Clinic, PHY 1214, MTWHF 11, 1, 2. If purchasing used books additional software may be required.

0101	David Buehrle TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion
0102	David Buehrle TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0105	 Discussion
0103	David Buehrle TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1219	 Discussion

0104	Instructor: TBA TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 0405	Discussion
0105	Instructor: TBA TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0106	David Buehrle TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 MTH 0304	Discussion
0107	David Buehrle TuTh 2:00pm - 3:15pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 MTH 0101	Discussion
0108	Instructor: TBA TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0109	Instructor: TBA TuTh 2:00pm - 3:15pm M 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0110	David Buehrle TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0301	David Buehrle MWF 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0302	David Buehrle MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0303	David Buehrle MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 PHY 1219	Discussion

0304	David Buehrle MWF 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 34) PHY 1412 MTH 0101	Discussion
0305	David Buehrle MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 34) PHY 1412 MTH 0304	Discussion
0306	Instructor: TBA MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0307	David Buehrle MWF 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0308	Instructor: TBA MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 33) PHY 1412 PHY 1219	Discussion
0309	Instructor: TBA MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0401	Anzi Hu M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	Discussion
0402	Anzi Hu M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	Discussion
0403	Instructor: TBA M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1412 PHY 1412 PHY 1219	Discussion

0404	Instructor: TBA	Seats (Total: 30)	
	M 7:00pm - 8:50pm	PHY 1412	
	W 7:00pm - 7:50pm	PHY 1412	
	M 5:00pm - 5:50pm	PHY 1204	Discussion
0405	Anzi Hu	Seats (Total: 30)	
	M 7:00pm - 8:50pm	PHY 1412	
	W 7:00pm - 7:50pm	PHY 1412	
	Tu 7:00pm - 7:50pm	PHY 1219	Discussion

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.

0101	Bei Lok Hu	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	PHY 1204	
	M 10:00am - 10:50am	PHY 1204	

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: High school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0201	Prabal Adhikari Tu 2:00pm - 3:50pm	Seats (Total: 20) PHY 3115	Lab
0301	Instructor: TBA W 1:00pm - 2:50pm	Seats (Total: 26) PHY 3115	Lab
0401	Xiangdong Ji Th 11:00am - 12:50pm	Seats (Total: 26) PHY 3115	Lab
0501	Instructor: TBA Th 2:00pm - 3:50pm	Seats (Total: 26) PHY 3115	Lab

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS261).
Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required.

0201	Sergio Picozzi TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 34) PHY 1412 PHY 0405	Discussion
0202	Instructor: TBA TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 34) PHY 1412 PHY 0405	Discussion
0203	Sergio Picozzi TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 34) PHY 1412 PHY 1219	Discussion

0204	Sergio Picozzi TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0205	Sergio Picozzi TuTh 12:30pm - 1:45pm Tu 4:00pm - 4:50pm	Seats (Total: 34) PHY 1412 MTH 0101	Discussion
0206	Sergio Picozzi TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 34) PHY 1412 PHY 1204	Discussion
0301	Arthur La Porta MWF 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 31) PHY 1410 MTH 0302	Discussion
0302	Arthur La Porta MWF 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 31) PHY 1410 CHM 0122	Discussion
0303	Arthur La Porta MWF 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 31) PHY 1410 PHY 1219	Discussion
0304	Arthur La Porta MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 31) PHY 1410 MTH 0103	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Sungwoo Hong M 6:00pm - 8:50pm	Seats (Total: 25) PHY 3219	Lab

0102	Sungwoo Hong M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	Lab
0103	Sungwoo Hong M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0104	Sungwoo Hong Tu 2:00pm - 4:50pm	Seats (Total: 25) PHY 3219	Lab
0105	Sungwoo Hong Tu 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	Lab
0106	Sungwoo Hong Tu 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	Lab
0107	Sungwoo Hong W 11:00am - 1:50pm	Seats (Total: 24) PHY 3219	Lab
0108	Sungwoo Hong W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0109	Sungwoo Hong Th 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0110	Sungwoo Hong Th 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0111	Sungwoo Hong Th 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0112	Sungwoo Hong M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
Corequisite: PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Sungwoo Hong	Seats (Total: 10)	
	Contact instructor or department for details.		
	Restricted to students transferring a lab grade from a previous semester.		

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS271).
Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271. Credit only granted for: (PHYS270 and PHYS271) or PHYS273. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required.

0101	Instructor: TBA	Seats (Total: 33)	
	MWF 1:00pm - 1:50pm W 2:00pm - 2:50pm	PHY 1412 MTH 0106	Discussion
0102	Instructor: TBA	Seats (Total: 33)	
	MWF 1:00pm - 1:50pm M 3:00pm - 3:50pm	PHY 1412 MTH 0302	Discussion
0103	Shabnam Jabeen	Seats (Total: 33)	
	MWF 1:00pm - 1:50pm W 11:00am - 11:50am	PHY 1412 MTH B0421	Discussion

0104	Instructor: TBA MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0105	Instructor: TBA MWF 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0106	Shabnam Jabeen MWF 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0201	Min Ouyang MWF 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 33) PHY 1412 PHY 1402	Discussion
0202	Min Ouyang MWF 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 33) PHY 1412 PHY 1402	Discussion
0203	Min Ouyang MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 33) PHY 1412 CHM 0119	Discussion
0204	Min Ouyang MWF 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 33) PHY 1412 MTH 0303	Discussion
0205	Min Ouyang MWF 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 33) PHY 1412 PHY 1204	Discussion
0206	Min Ouyang MWF 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 33) PHY 1412 PHY 0405	Discussion
0207	Min Ouyang MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion

0401	Wendell Hill MW 5:00pm - 6:15pm M 6:30pm - 7:20pm	Seats (Total: 34) PHY 1410 PHY 1204	 Discussion
0402	Wendell Hill MW 5:00pm - 6:15pm W 6:30pm - 7:20pm	Seats (Total: 33) PHY 1410 PHY 1204	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261. Corequisite: PHYS270.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Instructor: TBA M 9:00am - 11:50am	Seats (Total: 24) PHY 3220	 Lab
0102	Instructor: TBA M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3220	 Lab
0103	Sungwoo Hong M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	 Lab
0104	Instructor: TBA Tu 8:00am - 10:50am	Seats (Total: 24) PHY 3220	 Lab
0105	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	 Lab
0106	Sungwoo Hong Tu 11:00am - 1:50pm	Seats (Total: 24) PHY 3220	 Lab
0107	Instructor: TBA Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	 Lab

0108	Instructor: TBA W 5:00pm - 7:50pm	Seats (Total: 24) PHY 3220	Lab
0109	Instructor: TBA Th 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	Lab
0110	Sungwoo Hong W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab
0111	Instructor: TBA Th 9:00am - 11:50am	Seats (Total: 24) PHY 3220	Lab
0113	Instructor: TBA Th 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0115	Instructor: TBA W 8:00am - 10:50am	Seats (Total: 24) PHY 3220	Lab
0203	Sungwoo Hong M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	Lab
0205	Instructor: TBA M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	Lab
0206	Sungwoo Hong Tu 11:00am - 1:50pm	Seats (Total: 24) PHY 3220	Lab
0207	Instructor: TBA Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	Lab
0209	Instructor: TBA Th 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	Lab
0210	Sungwoo Hong W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab
0211	Instructor: TBA Th 9:00am - 11:50am	Seats (Total: 24) PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261. Corequisite: PHYS270.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Sungwoo Hong	Seats (Total: 10)
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275). *Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS272H.

0101	Paulo Bedaque	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS272H **Introductory Physics: Fields**

PHYS272H *(PermReq)* **Introductory Physics: Fields; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275).
Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. For general honors students only. Also offered as PHYS272.

0101	Paulo Bedaque	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	PHY 1201
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS273H.

0101	Alberto Belloni	Seats (Total: 65)
	TuTh 9:30am - 10:45am	PHY 1410
	F 9:00am - 9:50am	CHM 1402

PHYS273H **Introductory Physics: Waves**

PHYS273H *(PermReq)* **Introductory Physics: Waves; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. For general honors students only. Also offered as PHYS273.

0101	Alberto Belloni TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 65) PHY 1410 CHM 1402	

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS161 or PHYS171; and PHYS174. Additional information: CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis.

0101	Steven Anlage W 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab
0201	Steven Anlage M 1:00pm - 4:50pm	Seats (Total: 13) PHY 3104	Lab
0301	Ki-Yong Kim Tu 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab
0401	Ki-Yong Kim Th 2:00pm - 5:50pm	Seats (Total: 13) PHY 3104	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS272 and PHYS275. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Kara Hoffman M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

0201	Eun-Suk Seo Tu 1:00pm - 4:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Eun-Suk Seo Th 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	
0401	Kara Hoffman W 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS299B **Special Problems in Physics; Developing a Physics Toolbox**

PHYS299B *(PermReq)* **Special Problems in Physics: Developing a Physics Toolbox; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS174. Introduces students to the skills needed to become a successful physicist, but rarely taught in traditional undergraduate physics coursework. The skills covered will include scientific reading and writing skills, presentation skills as well as tools commonly used in physics research. As much as possible, this course will allow students to do real science as opposed to cookie-cutter experiments with known results.

0101	Sonali Shukla M 1:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 20) PHY 1204	

PHYS299L **Special Problems in Physics; Quantative Biology and Biophysics**

PHYS299L *(PermReq)* **Special Problems in Physics: Quantative Biology and Biophysics; (3 credits)** Grade Method: REG.
Department permission required. The main focus of this course is to develop skill in carrying out research in small groups, and to tackle an authentic research question related to the dynamics of living systems. The motion and rearrangement of cells and the dynamics of a cell's components are key to understanding life, health and disease. With mentoring from a team of research scientists from the University of Maryland and the NIH, students will choose a specific open challenge and tackle it through group research.

0101	Wolfgang Losert	Seats (Total: 24)
	F 2:00pm - 3:50pm	PHY 1219
	Contact instructor or department for details.	

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and PHYS273. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Zackaria Chacko	Seats (Total: 60)
	TuTh 2:00pm - 3:15pm	CSS 1113
	W 4:00pm - 4:50pm	CSS 1113

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS276 and PHYS273. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

0101	Peter Shawhan M 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 10) PHY 1402 PHY 3203	 Lab
0201	Peter Shawhan, Andris Skuja M 2:00pm - 2:50pm Tu 3:00pm - 5:50pm	Seats (Total: 10) PHY 1402 PHY 3203	 Lab
0301	Peter Shawhan M 2:00pm - 2:50pm W 3:00pm - 5:50pm	Seats (Total: 10) PHY 1402 PHY 3203	 Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisite: PHYS374 and MATH240. Formerly: PHYS421. Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Christopher Monroe	Seats (Total: 50)
	M 3:00pm - 4:50pm	PHY 1402
	WF 3:00pm - 3:50pm	PHY 1402

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS401, PHYS374, and MATH240. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Ian Appelbaum	Seats (Total: 60)
	MWF 9:00am - 9:50am	PHY 1201
	W 10:00am - 10:50am	PHY 1201

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273; or students who have taken courses with comparable content may contact the department. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Vladimir Manucharyan	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	CSS 1113

PHYS405 **Advanced Experiments**

PHYS405 *(PermReq)* **Advanced Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Luis Orozco, Abolhassan Jawahery	Seats (Total: 20)	
	W 12:00pm - 12:50pm TBA	PHY 1402 PHY 3112	Lab Lab
0102	Luis Orozco, Abolhassan Jawahery	Seats (Total: 20)	
	W 12:00pm - 12:50pm TBA	PHY 1402 PHY 3112	Lab Lab

PHYS407 **Undergraduate Experimental Research**

PHYS407 *(PermReq)* **Undergraduate Experimental Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and senior standing. Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Thomas Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Carter Hall MW 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 44) PHY 0405 PHY 0405

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Shabnam Jabeen TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 44) PHY 0405 PHY 0405

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. And PHYS271 and PHYS270; or PHYS273. A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Instructor: TBA TuTh 3:30pm - 4:45pm	Seats (Total: 40) PHY 1402

PHYS431 **Properties of Matter**

PHYS431 *(PermReq)* **Properties of Matter; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, PHYS270, and MATH241; and (PHYS401 or PHYS420). Also offered as: ENMA460. Credit only granted for: ENMA460 or PHYS431. Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Instructor: TBA MW 3:30pm - 4:45pm	Seats (Total: 15) CHM 1224

PHYS485 **Electronic Circuits**

PHYS485 *(PermReq)* **Electronic Circuits; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS405. Corequisite: PHYS374. Restriction: Must be in a major within CMNS-Physics department.* Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.

0101	Michael Coplan	Seats (Total: 13)	
	M 2:00pm - 3:50pm	PHY 1219	
	W 1:00pm - 4:50pm	PHY 3321	Lab

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499O **Special Problems in Physics; Atomic, Molecular & Optical Physics**

PHYS499O Special Problems in Physics: Atomic, Molecular & Optical Physics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Luis Orozco	Seats (Total: 20)	
	TuTh 1:30pm - 2:45pm	MTH 0405	

PHYS603 **Methods of Statistical Physics**

PHYS603 *(PermReq)* **Methods of Statistical Physics; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: PHYS602 or PHYS603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as CHPH718F.

0101	Theodore Einstein TuTh 9:30am - 10:45am	Seats (Total: 49) PHY 1201

PHYS606 **Electrodynamics**

PHYS606 Electrodynamics; (4 credits) Grade Method: REG/AUD.
Prerequisite: PHYS604; or students who have taken courses with comparable content may contact the department. Classical electromagnetic theory, electro- and magnetostatics, Maxwell equations, waves and radiation, special relativity.

0101	Adil Hassam TuTh 11:00am - 12:40pm	Seats (Total: 50) PHY 1402

PHYS615 **Nonlinear Dynamics of Extended Systems**

PHYS615 Nonlinear Dynamics of Extended Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS601. Theory and applications of nonlinear dynamics of extended systems including nonlinear waves, pattern formation, turbulence, self-organized criticality and networks. Additional topics to be selected by instructor from areas of current research.

0101	Michelle Girvan TuTh 9:30am - 10:45am	Seats (Total: 20) PHY 1402

PHYS623 **Introduction to Quantum Mechanics II**

PHYS623 *(PermReq)* **Introduction to Quantum Mechanics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must have an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory etc., and applications to solid state, atomic, and nuclear physics. Continuation of PHYS 622. Advanced special students require department authorization.

0101	Xiangdong Ji MWF 10:00am - 10:50am	Seats (Total: 60) PHY 1402

PHYS625 **Non-relativistic Quantum Mechanics**

PHYS625 Non-relativistic Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS623. Non-relativistic second quantization, single particle Green's function, perturbation theory, linked cluster expansion, Feynman and Goldstone diagrams; applications to imperfect Fermi gases; superconductivity.

0101	Victor Yakovenko	Seats (Total: 30)	
	MWF 9:00am - 9:50am	PHY 0405	

PHYS685 **Research Electronics**

PHYS685 *(PermReq)* **Research Electronics; (4 credits)** Grade Method: REG.
Prerequisite: PHYS374 or PHYS405; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed PHYS485. Credit only granted for: PHYS485 or PHYS685. An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.

0101	Michael Coplan	Seats (Total: 13)	
	M 2:00pm - 3:50pm	PHY 1219	
	W 1:00pm - 4:50pm	PHY 3321	Lab

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	Ayush Gupta	Seats (Total: 15)	
	Th 3:30pm - 4:45pm	PHY 0405	

PHYS709 **Seminar in General Physics; Statistical Physics**

PHYS709 Seminar in General Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH709B.

0101	Instructor: TBA Tu 1:15pm - 2:30pm	Seats (Total: 30) IPT 1116

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Luis Orozco M 11:00am - 12:50pm	Seats (Total: 30) CSS 2400

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Johnpierre Paglione Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1219

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Victor Galitskiy Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics; Seminar in Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics: Seminar in Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Carter Hall	Seats (Total: 10)
	W 11:30am - 1:00pm	PHY 2202

PHYS752 **Elementary Particle Physics II: Theory**

PHYS752 Elementary Particle Physics II: Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS751 and PHYS624. Survey of elementary particles and their properties, quantum field theory, meson theory, weak interactions, possible extensions of elementary particle theory.

0101	Kaustubh Agashe	Seats (Total: 15)
	MW 11:00am - 12:15pm	PHY 4102

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Experimental Results Including Cosmic Ray Physics**

PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Experimental Results Including Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Andris Skuja	Seats (Total: 25)
	W 4:00pm - 5:30pm	PHY 0405

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Kaustubh Agashe	Seats (Total: 27)
	M 3:00pm - 4:00pm	PHY 4102

PHYS769 **Seminar in Plasma Physics; Plasma Physics Research**

PHYS769 Seminar in Plasma Physics: Plasma Physics Research; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Adil Hassam W 3:45pm - 5:00pm	Seats (Total: 20) Location: TBA

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Douglas Hamilton, Eun-Suk Seo M 4:30pm - 5:45pm	Seats (Total: 15) CSS 2400

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Thomas Cohen Tu 4:00pm - 5:30pm	Seats (Total: 100) PHY 1412

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit) Grade Method: REG/AUD.
Also offered as ENEE698D. Click here for more course information.

0101	Michelle Girvan W 12:00pm - 1:30pm	Seats (Total: 20) PHY 1201

PHYS798E **Special Problems in Advanced Physics; Electrophysics**

PHYS798E Special Problems in Advanced Physics: Electrophysics; (1 credit) Grade Method: REG/AUD.

0101	Phillip Sprangle	Seats (Total: 41)
	W 11:00am - 11:50am	KEB 1200

PHYS798G **Special Problems in Advanced Physics; The Geometry of Physics**

PHYS798G *(PermReq)* **Special Problems in Advanced Physics: The Geometry of Physics; (3 credits)** Grade Method: REG/AUD.
Department permission required.

0101	William Linch	Seats (Total: 8)
	Contact instructor or department for details.	

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH709L and BIPH698L.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	PHY 0405

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS799B **Master's Thesis Research**

PHYS799B Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.

0101	Thomas Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS838A **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Methods of Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH718A.

0101	Theodore Einstein, William Cullen	Seats (Total: 3)
	M 12:00pm - 1:00pm	PHY 0405
	F 3:00pm - 5:00pm	PHY 1204

PHYS838C **Special Topics in Experimental Solid State Physics; Center for Nanophysics and Advanced Materials Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Center for Nanophysics and Advanced Materials Seminar; (2 credits) Grade Method: REG/AUD.

0101	Richard Greene, Johnpierre Paglione	Seats (Total: 30)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics**

PHYS839A Special Topics in Theoretical Solid State Physics; (1-4 credits) Grade Method: REG/AUD.

0101	Sankar Das Sarma	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS851 **Advanced Quantum Field Theory**

PHYS851 Advanced Quantum Field Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: PHYS624.* Renormalization, unitarity, gauge theory, S-matrix construction.

0101	Raman Sundrum	Seats (Total: 22)
	Tu 11:00am - 12:30pm	PHY 1219
	Th 11:00am - 12:30pm	PHY 1219

PHYS879G **Special Topics in General Relativity; Gravitational-Wave Physics**

PHYS879G Special Topics in General Relativity: Gravitational-Wave Physics; (3 credits) Grade Method: REG/AUD.

0101	Alessandra Buonanno	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	PHY 4102	

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Spring 2014

PLSC100 **Introduction to Horticulture**

PLSC100 Introduction to Horticulture; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices. Students must pay a $50.00 lab materials fee.

0101	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	M 2:00pm - 4:20pm	PLS 1153	Lab
	M 1:00pm - 1:50pm	PLS 1153	Discussion
0102	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	Tu 1:30pm - 3:50pm	PLS 1153	Lab
	Tu 12:30pm - 1:20pm	PLS 1153	Discussion

0103	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	W 2:00pm - 4:20pm	PLS 1153	Lab
	W 1:00pm - 1:50pm	PLS 1153	Discussion
0104	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	Th 1:30pm - 3:50pm	PLS 1153	Lab
	Th 12:30pm - 1:20pm	PLS 1153	Discussion
0105	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	M 10:00am - 12:20pm	PLS 1153	Lab
	M 9:00am - 9:50am	PLS 1153	Discussion
0106	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	W 10:00am - 12:20pm	PLS 1153	Lab
	W 9:00am - 9:50am	PLS 1153	Discussion
0107	Christopher Walsh	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	SHM 2102	
	F 10:00am - 12:20pm	PLS 1153	Lab
	F 9:00am - 9:50am	PLS 1153	Discussion

PLSC226 **Plant Diversity**

PLSC226 Plant Diversity; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC201; or permission of instructor. Students will learn to identify and understand relationships among major plant families of northeastern North America, especially of the Mid-Atlantic region, through lecture, field, and laboratory study. Characteristics and biogeography of and evolutionary relationships among families are emphasized in lecture. These characteristics will be woven together to provide understanding of the ecological and evolutionary drivers of plant diversity and the history of the field. Sight identification of families, genera, and species and keying skills are stressed in field and laboratory sessions.

0101	Maile Neel	Seats (Total: 10)	
	TuTh 12:30pm - 1:45pm	RGC 1111	
	Th 9:30am - 12:20pm	RGC 1111	Lab

PLSC235 **Irrigation and Drainage**

PLSC235 Irrigation and Drainage; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PLSC235 or PLSC489I. Formerly: PLSC489I. An overview of U.S. and state water doctrines and plant water use rates. Irrigation systems for residential and athletic field use will be discussed covering such topics as hydraulics, sprinkler spacing, pipe selection and sizing, pumps, controllers, valves, and irrigation trouble shooting. Surface and subsurface drainage for turfgrass sites will also be covered.

0101	Justin Mathias MW 10:00am - 10:50am Tu 12:30pm - 2:30pm	Seats (Total: 6) JUL 1123 JUL 1111	 Lab
0102	Justin Mathias MW 10:00am - 10:50am Tu 12:30pm - 2:30pm *This section is restricted to IAA students.*	Seats (Total: 12) JUL 1123 JUL 1111	 Lab

PLSC254 **Woody Plants for Mid-Atlantic Landscape II**

PLSC254 Woody Plants for Mid-Atlantic Landscape II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 and PLSC253; or permission of instructor. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on introduced and evergreen plant materials.

0101	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1117	 Lab

PLSC271 **Plant Propagation**

PLSC271 Plant Propagation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and PLSC100. A study of the principles and practices in the propagation of plants.

0101	Gary Coleman W 1:00pm - 2:50pm W 3:00pm - 4:50pm	Seats (Total: 11) PLS 1162 PLS 1162	 Lab
0102	Gary Coleman W 1:00pm - 2:50pm W 5:00pm - 6:50pm	Seats (Total: 11) PLS 1162 PLS 1162	 Lab

PLSC275 **Fundamentals of Agricultural Chemistry**

PLSC275 Fundamentals of Agricultural Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131 and CHEM132; and (PLSC100, PLSC101, BSCI105, or BSCI106). Restriction: Must not have completed CHEM104 or CHEM105. And must be in a major within AGNR-Plant Science & Landscape Architecture department; or must be in a major within AGNR-Animal & Avian Sciences department; or permission of instructor. Credit only granted for: PLSC275, CHEM104, or CHEM105. An in-depth discussion of chemistry targeted to students enrolled in plant and animal management curricula offered in AGNR. Covers the nomenclature and basic functional groups in organic chemistry, secondary plant metabolites, basic tenets of organic agriculture and the creation of genetically-modified plants. The chemistry, handling and usage of agricultural pesticides is also discussed.

0101	Christopher Walsh TuTh 3:30pm - 4:45pm	Seats (Total: 40) PLS 1119	

PLSC321 **Landscape Structures and Materials**

PLSC321 Landscape Structures and Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC320. Also offered as: LARC321. Credit only granted for: LARC321 or PLSC321. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Jack Sullivan TuTh 9:30am - 10:45am Th 11:00am - 12:15pm	Seats (Total: 20) PLS 1130 PLS 2150	 Lab

PLSC388 **Honors Thesis Research**

PLSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD.

0401	Mark Carroll Contact instructor or department for details.	Seats (Total: 10)
0801	Steven Cohan Contact instructor or department for details.	Seats (Total: 10)
1001	Gary Coleman Contact instructor or department for details.	Seats (Total: 10)
1201	Jose Costa Contact instructor or department for details.	Seats (Total: 10)
1801	Kathryne Everts Contact instructor or department for details.	Seats (Total: 10)
2001	Donald Glenn Contact instructor or department for details.	Seats (Total: 10)
2801	John Lea-Cox Contact instructor or department for details.	Seats (Total: 10)
3001	Marla McIntosh Contact instructor or department for details.	Seats (Total: 10)
3601	Maile Neel Contact instructor or department for details.	Seats (Total: 10)
4601	Joseph Sullivan Contact instructor or department for details.	Seats (Total: 10)
5201	Christopher Walsh Contact instructor or department for details.	Seats (Total: 10)

5401	Yilmaz Balci Contact instructor or department for details.	Seats (Total: 10)	
5601	Priscila Chaverri Contact instructor or department for details.	Seats (Total: 10)	
6201	Jianhua Zhu Contact instructor or department for details.	Seats (Total: 10)	
7001	Shirley Micallef Contact instructor or department for details.	Seats (Total: 10)	
7401	Angus Murphy Contact instructor or department for details.	Seats (Total: 10)	
7601	Karen Petroff Contact instructor or department for details.	Seats (Total: 10)	

PLSC400 **Environmental Plant Physiology**

PLSC400 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 or PLSC101; or (BSCI106 and BSCI105). Recommended: CHEM131 and CHEM132. Restriction: Junior standing or higher. Formerly: 4. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses. Also offered as: ENST407. Credit only granted for: PLSC400 or ENST407.

0101	Heven Sze, Jianhua Zhu, Wendy Peer TuTh 12:30pm - 1:45pm Th 4:00pm - 6:50pm	Seats (Total: 24) PLS 2137 HJP 2230	 Lab

PLSC401 **Pest Management Strategies for Turfgrass**

PLSC401 Pest Management Strategies for Turfgrass; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC305. Interdisciplinary view of weed, disease, and insect management from an agronomy perspective. Plant responses to pest invasion, diagnosis of pest-related disorders, and principles of weed, disease and insect suppression through cultural, biological and chemical means are discussed.

0101	Mark Carroll, Peter Dernoeden, Justin Mathias TuTh 9:30am - 10:45am	Seats (Total: 20) PBR 1102

PLSC407 **Advanced Crop Science**

PLSC407 Advanced Crop Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC101 and BSCI105. A study of principles of production for forage crops, corn, small grains, rice, millets, sorghums, soybeans and other oil seed crops. Their seed production, processing, distribution and the current federal and state seed control programs for these agronomic crops will also be discussed.

0101	Donald Glenn MWF 12:00pm - 12:50pm	Seats (Total: 25) PLS 1119

PLSC425 **Green Roofs and Urban Sustainability**

PLSC425 Green Roofs and Urban Sustainability; (1 credit) Grade Method: REG/P-F/AUD.
Credit only granted for: PLSC425 or PLSC489V. Formerly: PLSC489V. The integration of disciplines associated with sustainability issues. Topics range from plant science to design to policy, all of which can contribute to improving the urban environment.

0101	Steven Cohan Tu 11:00am - 12:15pm	Seats (Total: 65) PLS 1130

PLSC432 **Greenhouse Crop Production**

PLSC432 Greenhouse Crop Production; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC201 and PLSC202; and must have completed or be concurrently enrolled in BSCI442.* The commercial production and marketing of ornamental plant crops under greenhouse, plastic houses and out-of-door conditions.

0101	John Lea-Cox	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	PLS 1117	
	Th 5:00pm - 7:00pm	RGC 1111	Lab

PLSC452 **Environmental Horticulture**

PLSC452 Environmental Horticulture; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC100 or PLSC101; and (PLSC253 and PLSC254).* Environmental horticulture principles used in the establishment and maintenance of plant materials in residential and commercial landscapes will be addressed. The effect of soil conditions, environmental factors, and commercial practices will be discussed in relation to the growth and development of newly-installed plant materials. Field diagnostics will be used by students to assess significant problems of plant decline. Environmental sustainability will be combined with current commercial practices of storm water management, nutrient management, and irrigation management to achieve an integrated approach to plant management. Students must pay a $60.00 laboratory materials fee.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1113	
	W 1:00pm - 3:50pm	PLS 1113	Lab

PLSC460 **Application of Knowledge in Plant Sciences**

PLSC460 Application of Knowledge in Plant Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: PLSC100 or PLSC101; or permission of instructor. Recommended: ENGL393 and ENST200; and (PLSC389 or PLSC399). Restriction: Senior standing or higher. And must be in a major within AGNR-Plant Science & Landscape Architecture department; or must be in another related major. A capstone course based on interactions with plant science professionals and student-led class discussions. Students will apply their knowledge and experience to practical issues in the discipline, further develop critical thinking ability, and enhance their communication, teamwork, and professional skills. Topics will include nutrient management, integrated pest management, plant interactions with urban and rural ecosystems, planning of public grounds, plant biotechnology, and teaching skills.

0101	Mark Carroll, Christopher Walsh, Donald Glenn, Steven Cohan Tu 12:30pm - 3:15pm	Seats (Total: 25) PLS 1115

PLSC471 **Forest Ecology**

PLSC471 Forest Ecology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC201 or BSCI106. An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

0101	Joseph Sullivan TuTh 2:00pm - 3:15pm	Seats (Total: 50) PLS 1130

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan Contact instructor or department for details.	Seats (Total: 5)

PLSC489C **Special Topics in Plant Science; Analysis of Water Needs of Communties in Ecuador**

PLSC489C Special Topics in Plant Science: Analysis of Water Needs of Communties in Ecuador; (3 credits) Grade Method: REG/P-F/AUD.
We will use geospatial, microclimatic and social information collected from a watershed assessment in January 2014, to analyze and determine the rights of agricultural communities within the Dulcepamba watershed in Ecuador. The class will provide a reliable assessment of water availability and crop water to community leaders, to allow constructive negotiations between them and the Ecuadorian government, for the restoration of their agricultural water rights.

0101	John Lea-Cox	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC489M **Special Topics in Plant Science; Landscape Contracting I**

PLSC489M Special Topics in Plant Science: Landscape Contracting I; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC489N **Special Topics in Plant Science; Communication in the Green Industry II**

PLSC489N Special Topics in Plant Science: Communication in the Green Industry II; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 16)
	Contact instructor or department for details.	

PLSC489O **Special Topics in Plant Science; Plant Taxonomy**

PLSC489O Special Topics in Plant Science: Plant Taxonomy; (3 credits) Grade Method: REG/P-F/AUD.
Students will learn to identify major plant families and genera by sight and through keying. They will develop an understanding of relationships among families as well as the ecological and evolutionary drivers of plant diversity through lecture, field, and laboratory study. Emphasis will be on the flora of teh mid-Atlantic and northeastern North America but will include families that are important worldwide in agriculture and horticulture.

0101	Maile Neel	Seats (Total: 10)	
	TuTh 12:30pm - 1:45pm	RGC 1111	
	Th 9:30am - 12:20pm	RGC 1111	Lab

PLSC489Q **Special Topics in Plant Science; Microbiology of Agricultural Systems**

PLSC489Q Special Topics in Plant Science: Microbiology of Agricultural Systems; (1 credit) Grade Method: REG/P-F/AUD.
Various aspects of microbiology will be covered as it pertains to agricultural systems. Topics to be covered include microbial diversity in soil, the rhizosphere and the phyllosphere, the impact and role bacteria play in promoting plant growth and suppressing disease, and the ecological functions of bacterial communities in soil as drivers of biogeochemical cycling of nutrients and greenhouse gas emissions. All these topics will be discussed from an agricultural perspective. The course is structured around journal article reviews and discussions to encourage critical thinking and provide the opportunity to bridge concepts and ideas from multiple disciplines.

0101	Shirley Micallef	Seats (Total: 10)	
	Tu 11:00am - 12:15pm	PLS 1119	

PLSC489R **Special Topics in Plant Science; Agricultural Mechanics**

PLSC489R *(PermReq)* **Special Topics in Plant Science: Agricultural Mechanics; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENBE200 or PLSC204 and permission of instructor.

0101	Roy Walls	Seats (Total: 5)	
	TBA	ANS 0504	
	TBA	ANS 0504	Lab

PLSC489T **Special Topics in Plant Science; Seminars in Plant Science and Landscape Architecture**

PLSC489T Special Topics in Plant Science: Seminars in Plant Science and Landscape Architecture; (1 credit) Grade Method: REG/P-F/AUD.
Also offered as LARC489T.

0101	Angus Murphy	Seats (Total: 20)
	W 4:00pm - 5:30pm	PLS 1130

PLSC489V **Special Topics in Plant Science; Fruit and Vegetable Production and Management**
Contact department for information to register for this course.

PLSC489W **Special Topics in Plant Science; Plant-Microbe Associations**

PLSC489W Special Topics in Plant Science: Plant-Microbe Associations; (3 credits) Grade Method: REG/P-F/AUD.
Plants turn sunlight into sugar. Thus, plants are rich sources of "food" to diverse microbial communities. Some microbes choose to "earn" food from plants by providing host plants benefit; while others "steal" or "seize" food from their hosts. Understanding the diverse relationships between plants and their associated microbes is very important for crop protection and food security. This course features a comparative analysis of the ecology, physiology and genetics of plant - microbe interactions along with their impact on society and the surrounding ecosystem. Students will become familiar with the diverse array of plant microbe interactions that occur in agricultural and natural settings. These include: (i) pathogenic strategies used by diverse pathogens to overcome the immune system of plants and cause disease, (ii) the molecular mechanisms by which plants recognize invading pathogens and elicit immune responses, including the co-evolutionary host-pathogen arms-race, (iii) exploration of the mechanisms used by human pathogens to associate with plants and their impact on food safety and (iv) the symbiotic relationships between plants and microbes.

0101	Shunyuan Xiao, James Culver	Seats (Total: 10)
	TuTh 9:30am - 10:45am	HBK 0105

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh Contact instructor or department for details.	Seats (Total: 5)
5201	Christopher Walsh Contact instructor or department for details.	Seats (Total: 5)

PLSC685 **Advanced Plant Ecophysiology**

PLSC685 Advanced Plant Ecophysiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: Must have completed one course in plant physiology. Credit only granted for: NRSC685 or PLSC685. Formerly: NRSC685.* Growth, productivity and survival are intimately linded to a plant's ability to adjust to its environment. The information provided in this course is designed to provide an introduction to the basic physical and psysiological principles necessary for understanding the interactions between plants and their environment. The overall objective of this course is to understand plant responses and adaptations to the environment and the ecological relevance of these responses.

0101	Joseph Sullivan TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1158

PLSC689C **Special Topics; Conservation Biology**

PLSC689C *(PermReq)* **Special Topics: Conservation Biology; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Maile Neel Contact instructor or department for details.	Seats (Total: 8)

PLSC689E **Special Topics; Visualization and Interpretation of Experimental Research Data Using JMP**

PLSC689E Special Topics: Visualization and Interpretation of Experimental Research Data Using JMP; (2 credits) Grade Method: REG/AUD.
Prerequisite: a course in statistical analysis and design. Also offered as MEES698D. Credit granted for PLSC689E or MEES698D. Students will learn the basics of data management and exploration using JMP. Using real data sets, students will develop hypotheses, determine appropriate statistical approaches to test hypotheses, explore data for errors and statistical assumptions, perform statistical analyses, interpret results, and prepare tables, figures, and text to communicate results. Each student will present a final project based on a dataset of their choice.

0101	Marla McIntosh	Seats (Total: 15)
	Th 4:00pm - 5:50pm	PLS 1176

PLSC689Q **Special Topics; Microbiology of Agricultural Systems**

PLSC689Q Special Topics: Microbiology of Agricultural Systems; (1 credit) Grade Method: REG/AUD.
Various aspects of microbiology will be covered as it pertains to agricultural systems. Topics to be covered include microbial diversity in soil, the rhizosphere and the phyllosphere, the impact and role bacteria play in promoting plant growth and suppressing disease, and the ecological functions of bacterial communities in soil as drivers of biogeochemical cycling of nutrients and greenhouse gas emissions. All these topics will be discussed from an agricultural perspective. The course is structured around journal article reviews and discussions to encourage critical thinking and provide the opportunity to bridge concepts and ideas from multiple disciplines. In addition, there will be opportunity for more in-depth literature review and discussion of salient research areas within agricultural microbiology, with specific attention to methodologies and study design.

0101	Shirley Micallef	Seats (Total: 10)
	Tu 11:00am - 12:15pm	PLS 1119

PLSC689T **Special Topics; Tree Genomics**

PLSC689T Special Topics: Tree Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC689W **Special Topics; Plant-Microbe Associations**

PLSC689W Special Topics: Plant-Microbe Associations; (3 credits) Grade Method: REG/AUD.

Plants turn sunlight into sugar. Thus, plants are rich sources of "food" to diverse microbial communities. Some microbes choose to "earn" food from plants by providing host plants benefit; while others "steal" or "seize" food from their hosts. Understanding the diverse relationships between plants and their associated microbes is very important for crop protection and food security. This course features a comparative analysis of the ecology, physiology and genetics of plant - microbe interactions along with their impact on society and the surrounding ecosystem. Students will become familiar with the diverse array of plant microbe interactions that occur in agricultural and natural settings. These include: (i) pathogenic strategies used by diverse pathogens to overcome the immune system of plants and cause disease, (ii) the molecular mechanisms by which plants recognize invading pathogens and elicit immune responses, including the co-evolutionary host-pathogen arms-race, (iii) exploration of the mechanisms used by human pathogens to associate with plants and their impact on food safety and (iv) the symbiotic relationships between plants and microbes.

0101	James Culver, Shunyuan Xiao	Seats (Total: 10)
	TuTh 9:30am - 10:45am	HBK 0105

PLSC789F **Advances in Research; Critiquing Primary Plant Science Literature**

PLSC789F Advances in Research: Critiquing Primary Plant Science Literature; (1 credit) Grade Method: REG/AUD.

0101	Angus Murphy, Gary Coleman	Seats (Total: 15)
	Tu 3:30pm - 4:45pm	PLS 1164

PLSC789M **Advances in Research; Plant Membrane Biology**

PLSC789M Advances in Research: Plant Membrane Biology; (1 credit) Grade Method: REG/AUD.

0101	Angus Murphy, Wendy Peer	Seats (Total: 10)
	Tu 9:30am - 10:45am	PLS 1176

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Spring 2014

PORT104 **Intensive Elementary Portuguese**
Contact department for information to register for this course.

PORT204 **Intensive Intermediate Portuguese**

PORT204 Intensive Intermediate Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PORT104; or must have appropriate Foreign Language Placement Test (FLPT) score. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Talia Guzman-Gonzalez	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EDU 3233
	W 11:00am - 11:50am	HBK 0109

PORT207 **Intermediate Reading and Conversation in Portuguese II**

PORT207 Intermediate Reading and Conversation in Portuguese II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PORT205; or students who have taken courses with comparable content may contact the department. Restriction: Not open to native/fluent speakers of Portuguese. Advanced practice of oral and written Portuguese. Reading and discussions of texts, review of grammar, and vocabulary practice.

0101	Regina Igel TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 0125

PORT235 **Issues in Latin American Studies II**

PORT235 Issues in Latin American Studies II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as: SPAN235, LASC235. Credit only granted for: PORT235, or SPAN235, or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of PORT/LASC/SPAN 234, but completion of 234 is not a prerequisite. Taught in English.

0101	Shari Orisich TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104
0102	David Freund Contact instructor or department for details.	Seats (Total: 0)
0201	Shari Orisich MW 11:00am - 12:15pm	Seats (Total: 35) KEY 0125

PORT332 **Brazilian Cinema**

PORT332 Brazilian Cinema; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Credit only granted for: PORT332, FILM332, or PORT378. Formerly: PORT378. Brazilian films from the late 1950s to the present with a special view to the relationship between cinema, society, historical dates, and social changes in Brazil. Taught in English.

0101	Regina Igel	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 3205

PORT386 **Experiential Learning**

PORT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and junior standing or higher.

Contact department for information to register for this course.

PORT388B **Special Topics in Brazilian Studies; Exploring Cultural Representations of Brazil**

PORT388B Special Topics in Brazilian Studies: Exploring Cultural Representations of Brazil; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC348B.

0101	Talia Guzman-Gonzalez	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	KEY 0125

PORT399 **Independent Study in Portuguese**

PORT399 *(PermReq)* **Independent Study in Portuguese; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Spring 2014

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for course syllabus.

0101	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 8:00am - 8:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0102	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0103	Ryan Curtis	Seats (Total: 40)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0104	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0105	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 3:00pm - 3:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0106	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 8:00am - 8:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0107	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0108	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 11:00am - 11:50am	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0109	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0110	Ryan Curtis	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	BRB 1101	
	F 3:00pm - 3:50pm	BPS 1236	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0201	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm	BRB 1101	
	F 9:00am - 9:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0202	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm	BRB 1101	
	F 10:00am - 10:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0203	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm	BRB 1101	
	F 11:00am - 11:50am	BPS 0283	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0204	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0205	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 3:00pm - 3:50pm Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0206	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 9:00am - 9:50am Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0207	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 10:00am - 10:50am Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0208	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 11:00am - 11:50am Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0209	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion
0210	Ryan Curtis	Seats (Total: 30)	
	TuTh 3:30pm - 4:20pm F 3:00pm - 3:50pm Class time/details on ELMs	BRB 1101 BPS 0283 ONLINE	 Discussion Discussion

PSYC100H Introduction to Psychology

PSYC100H *(PermReq)* **Introduction to Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.
A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. For honors students only. Click here for course syllabus.

0101	Steven Brauth TuTh 11:00am - 12:15pm	Seats (Total: 30) PLS 1111

PSYC111 **The Psychology of Unethical Conduct**

PSYC111 The Psychology of Unethical Conduct; (1 credit) Grade Method: REG. *Additional information: Online and self-paced course open to all majors.* An exploration of the University of Maryland's 10 Principles of Ethical and Responsible Conduct (http://www.responsibleconduct.umd.edu) and the reasons why unethical conduct might occur. Covers a broad range of psychological theories and research with the focus on applying the science for a more ethical life, campus and community. Click here for more course information.

0101	Scott Roberts Class time/details on ELMs	Seats (Total: 100) ONLINE
0201	Scott Roberts Class time/details on ELMs	Seats (Total: 60) ONLINE
0301	Scott Roberts Class time/details on ELMs	Seats (Total: 60) ONLINE
0401	Scott Roberts Class time/details on ELMs	Seats (Total: 20) ONLINE

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. Clickhere for course syllabus.

0101	Tracy Tomlinson	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 9:00am - 9:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0102	Tracy Tomlinson	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 10:00am - 10:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0103	Tracy Tomlinson	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 11:00am - 11:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0104	Tracy Tomlinson	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 1:00pm - 1:50pm	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0105	Tracy Tomlinson	Seats (Total: 30)	
	TuTh 8:00am - 9:15am	BPS 1250	
	M 2:00pm - 2:50pm	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0201	Tracy Tomlinson	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	BPS 1243	
	M 9:00am - 9:50am	BPS 1238	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0202	Tracy Tomlinson	Seats (Total: 24)	
	TuTh 9:30am - 10:45am M 10:00am - 10:50am Class time/details on ELMs	BPS 1243 BPS 1238 ONLINE	 Discussion Discussion
0203	Tracy Tomlinson	Seats (Total: 23)	
	TuTh 9:30am - 10:45am M 11:00am - 11:50am Class time/details on ELMs	BPS 1243 BPS 1238 ONLINE	 Discussion Discussion
0204	Tracy Tomlinson	Seats (Total: 23)	
	TuTh 9:30am - 10:45am M 1:00pm - 1:50pm Class time/details on ELMs	BPS 1243 BPS 1238 ONLINE	 Discussion Discussion
0205	Tracy Tomlinson	Seats (Total: 23)	
	TuTh 9:30am - 10:45am M 2:00pm - 2:50pm Class time/details on ELMs	BPS 1243 BPS 1238 ONLINE	 Discussion Discussion

PSYC210 **Personality and Temperament: Developmental Origins, Brain Bases, and Clinical Implications**

PSYC210 Personality and Temperament: Developmental Origins, Brain Bases, and Clinical Implications; (3 credits) Grade Method: REG.
Prerequisite: PSYC100. Restriction: Must be in Psychology program. What is known about what makes each of us unique? How do these differences contribute to enduring differences in health & wealth? We will review recent research in humans and non-humans aimed at understanding the psychological & biological mechanisms underlying stable individual differences in personality. We will discuss the phylogenetic and ontogenetic origins of temperament, measurement issues, fundamental dimensions of personality across the lifespan, neurobiological substrates of temperament/personality, mechanisms contributing to stability and change, implications for psychopathology, & broader implications for public/macroeconomic policy.

0101	Alexander Shackman	Seats (Total: 115)	
	TuTh 11:00am - 12:15pm	CSS 2324	

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for course syllabus.

0101	Dylan Selterman MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 150) BRB 1101 BRB 1101	 Discussion
0201	Dylan Selterman MW 3:00pm - 3:50pm F 3:00pm - 3:50pm	Seats (Total: 150) BRB 1101 BRB 1101	 Discussion

PSYC289D **Living the Good Life: The Psychology of Happiness**

PSYC289D Living the Good Life: The Psychology of Happiness; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
What are the secrets to living a happy life? This course will introduce students to contemporary scientific approaches to studying age-old questions about how to get happy.

0101	Nazish Salahuddin TuTh 12:30pm - 1:45pm	Seats (Total: 117) BPS 1243

PSYC300 **Research Methods in Psychology Laboratory**

PSYC300 Research Methods in Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R. A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. Click here for course syllabus.

0101	Charles Stangor MW 1:00pm - 1:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1232	 Discussion
0102	Charles Stangor MW 1:00pm - 1:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1238	 Discussion
0103	Charles Stangor MW 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion
0104	Charles Stangor MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1238	 Discussion
0106	Charles Stangor MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1124	 Discussion
0108	Charles Stangor MW 1:00pm - 1:50pm Th 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion
0201	Edward Bernat MW 3:00pm - 3:50pm M 8:00am - 9:50am	Seats (Total: 16) BPS 1250 BPS 1232	 Discussion
0202	Edward Bernat MW 3:00pm - 3:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1250 BPS 1232	 Discussion
0203	Edward Bernat MW 3:00pm - 3:50pm F 8:00am - 9:50am	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion
0204	Edward Bernat MW 3:00pm - 3:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1228	 Discussion

0205	Edward Bernat MW 3:00pm - 3:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion
0206	Edward Bernat MW 3:00pm - 3:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1250 BPS 1234	 Discussion

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 and BSCI105.* An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	David Yager TuTh 12:30pm - 1:45pm	Seats (Total: 150) BPS 1250

PSYC303 **Professional Development for Psychology Majors**

PSYC303 Professional Development for Psychology Majors; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and must have completed 3 additional credits in PSYC courses. Or permission of BSOS-Psychology department. Restriction: Must be in a major within BSOS-Psychology department. Credit only granted for: PSYC309C or PSYC303. Formerly: PSYC309C. An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development.

0101	Kevin McGann W 1:00pm - 1:50pm	Seats (Total: 25) BPS 1232

PSYC309E **Special Topics in Psychology; Topics in Neural Systems and Behavior**

PSYC309E *(PermReq)* **Special Topics in Psychology: Topics in Neural Systems and Behavior; (1 credit)** Grade Method: REG/P-F/AUD.
A discussion of readings in systems neuroscience and animal behavior to provide a foundation for students pursuing research projects in the Auditory Neuroethology lab. Permission of instructor required.

0101	Cynthia Moss	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC309J **Special Topics in Psychology; Development of Child and Adolescent Attachment**

PSYC309J Special Topics in Psychology: Development of Child and Adolescent Attachment; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to PSYC (major code 20010) students only. Overview of the field of attachment from infancy through adolescence, examining theory, research methods, research findings, and clinical implications. Students will observe videos of attachment assessments, discuss readings, and make presentations.

0101	Jude Cassidy	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	BPS 1124

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309Z **Special Topics in Psychology; Death, Dying, and Grieving**

PSYC309Z Special Topics in Psychology: Death, Dying, and Grieving; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Rebecca Morse	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	BLD3 3225
	Limited to CCS students at Shady Grove.	

PSYC310 **Perception**

PSYC310 Perception; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (CHEM103, PHYS121, BSCI106, or BSCI105). Restriction: Must not have completed PSYC410. A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research. Restricted to PSYC (major code 20010) students only.

0101	Daniel Buttaccio	Seats (Total: 100)
	MWF 11:00am - 11:50am	CHE 2110

PSYC319D **Community Interventions: Service Learning**

PSYC319D *(PermReq)* **Community Interventions: Service Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Karen O'Brien	Seats (Total: 12)
	MW 8:00am - 9:15am	BPS 1103

PSYC332 **Psychology of Human Sexuality**
Contact department for information to register for this course.

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Dylan Selterman	Seats (Total: 150)
	TuTh 2:00pm - 3:15pm	BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.* A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Nazish Salahuddin	Seats (Total: 110)
	TuTh 11:00am - 12:15pm	JMZ 0220

PSYC338A **Special Topics in Study Abroad III; Applied Psychology**
Contact department for information to register for this course.

PSYC338L **Special Topics in Study Abroad III; Psychology of Leadership**
Contact department for information to register for this course.

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**
Contact department for information to register for this course.

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 and PSYC300. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Michael Dougherty	Seats (Total: 115)
	MWF 10:00am - 10:50am	BPS 1243

PSYC353 **Adult Psychopathology**

PSYC353 Adult Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Restriction: Must be in Psychology program. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Charles Gelso TuTh 2:00pm - 3:15pm	Seats (Total: 150) LEF 2205

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for course syllabus.

0101	Susan Lee MWF 11:00am - 11:50am	Seats (Total: 150) HJP 0226

PSYC355 **Developmental Psychology**

PSYC355 Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to PSYC (major code 20010) students only.

0101	Tracy Riggins TuTh 11:00am - 12:15pm	Seats (Total: 117) BPS 1243

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only.

0101	Rabiah Muhammad	Seats (Total: 100)
	TuTh 3:30pm - 4:45pm	BPS 1243

PSYC362 **Introduction to Negotiation**

PSYC362 Introduction to Negotiation; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC221 or PSYC361; or permission of BSOS-Psychology department. Restriction: Must be in Psychology program. Credit only granted for: PSYC309F or PSYC362. Formerly: PSYC309F. Additional information: Restricted to PSYC majors during preregistration.* Overview of the field of negotiation and the social-psychological and contextual factors that facilitate and inhibit successful negotiation agreements. Students will engage in a variety of negotiation exercises individually and as a team. Students must pay a $30.00 materials fee.

0101	Michele Gelfand	Seats (Total: 28)
	Th 10:00am - 12:30pm	BPS 1234

PSYC386 **Experiential Learning**
Contact department for information to register for this course.

PSYC389 **Experiential Learning**

PSYC389 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Steven Young	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC401 **Biological Bases of Behavior Laboratory**

PSYC401 *(PermReq)* **Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC301. Restriction: Permission of instructor; and must be in Psychology program; and must have earned a minimum of 85 credits. A laboratory course to introduce students to some of the basic physiological and anatomical techniques of contemporary neuroscience. Exercises look at specific neurons or groups of neurons and how they control such simple behaviors as swimming, prey capture, and species recognition. The lab exercises use living invertebrates and cold-blooded vertebrates.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 8) BPS 1236 BPS 0263	 Lab

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301. Additional information: Priority is given to PSYC majors.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory. Restricted to PSYC (major code 20010) students only.

0101	Steven Brauth TuTh 12:30pm - 1:45pm	Seats (Total: 42) BPS 1236

PSYC404 **Introduction to Behavioral Pharmacology**

PSYC404 Introduction to Behavioral Pharmacology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC301. Restriction: Must be in Psychology program. Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

0101	Frank Hall Th 5:30pm - 8:00pm	Seats (Total: 40) BPS 1238

PSYC406 **Neuroethology**

PSYC406 Neuroethology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC301. Restriction: Must be in Psychology program. A merger between the disciplines of neuroscience and ethology (animal behavior) studies the behavioral functions of nervous systems using a comparative and evolutionary approach. Students will learn how the nervous system controls behavioral patterns in a variety of different organisms ranging from insects to mammals. Restricted to PSYC (major code 20010) students only.

0101	Jens Herberholz	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BPS 1236

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 Topics in Neurosciences Seminar; (1 credit) Grade Method: S-F.
Also offered as PSYC789C. Restricted to students in the Minor in Neurosciences. Prerequisite: permission of department. Junior standing. Repeatable to 4 credits if content differs. For PSYC majors only. A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1107, or by contacting the instructor.

0101	Catherine Carr, Cynthia Moss	Seats (Total: 20)
	Tu 4:00pm - 5:30pm	BPS 1142

PSYC414 **Science of Sleep and Biological Rhythms**

PSYC414 Science of Sleep and Biological Rhythms; (3 credits) Grade Method: REG/P-F/AUD/S-F.
Prerequisite: PSYC100 and PSYC301; or permission of instructor. Restriction: Must be in a major within the BSOS-Psychology department; and restricted to psychology majors during the registration period. All other majors will be placed on a hold file. A study of the behavioral neurobiology of biological rhythms and sleep including behavioral and social contexts relevant to chronobiology and sleep science. Current scientific research on the role of the central nervous system will be a major focus.

0101	David Yager	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	PLS 1111

PSYC420 **Experimental Psychology: Social Psychology Laboratory**

PSYC420 Experimental Psychology: Social Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Edward Lemay MW 10:00am - 10:50am F 8:00am - 9:50am	Seats (Total: 10) BPS 1236 BPS 1228	 Lab
0102	Edward Lemay MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 10) BPS 1236 BPS 1228	 Lab
0201	Ryan Curtis MW 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 10) BPS 1236 BPS 1228	 Lab
0202	Ryan Curtis MW 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 10) BPS 1236 BPS 1232	 Lab
0301	Dylan Selterman MW 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 10) HBK 0123 BPS 1103	 Lab
0302	Dylan Selterman MW 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 10) HBK 0123 BPS 1103	 Lab

PSYC424 **Communication and Persuasion**

PSYC424 *(PermReq)* **Communication and Persuasion; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: PSYC221 and PSYC200. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to PSYC (major code 20010) students only. Click here for more course information, and to obtai permission to register.

0101	Scott Roberts TuTh 9:30am - 10:45am	Seats (Total: 20) BPS 0283	

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

PSYC432 Counseling Psychology: Theories, Research, and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to PSYC (major code 20010) students only.

0101	Derek Iwamoto TuTh 12:30pm - 1:45pm	Seats (Total: 40) HBK 0103	
0201	Andres Perez Rojas MW 2:00pm - 3:15pm	Seats (Total: 40) BPS 1236	

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Shudarshana Gupta Tu 12:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 12) BPS 0283 BPS 0283	 Lab
0102	Shudarshana Gupta Tu 12:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 12) BPS 0283 COL 0100	 Lab

0103	Shudarshana Gupta Tu 12:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 12) BPS 0283 JMZ 1124	 Lab
0104	Shudarshana Gupta Tu 12:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 12) BPS 0283 JMZ 0122	 Lab
0201	Avantika Bhatia M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 12) SKN 0104 BPS 1124	 Lab
0202	Avantika Bhatia M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 12) SKN 0104 BPS 1228	 Lab
0203	Avantika Bhatia M 4:00pm - 6:00pm W 10:00am - 12:00pm	Seats (Total: 12) SKN 0104 BPS 1232	 Lab
0204	Avantika Bhatia M 4:00pm - 6:00pm W 10:00am - 12:00pm	Seats (Total: 12) SKN 0104 BPS 1228	 Lab
0301	Margo Gregor Tu 2:00pm - 4:00pm Th 4:00pm - 6:00pm	Seats (Total: 12) BPS 0283 BPS 1232	 Lab
0302	Margo Gregor Tu 2:00pm - 4:00pm Th 4:00pm - 6:00pm	Seats (Total: 12) BPS 0283 BPS 1124	 Lab
0303	Margo Gregor Tu 2:00pm - 4:00pm Th 1:00pm - 3:00pm	Seats (Total: 12) BPS 0283 MTH 1313	 Lab
0304	Margo Gregor Tu 2:00pm - 4:00pm Th 1:00pm - 3:00pm	Seats (Total: 12) BPS 0283 PHY 1402	 Lab

PSYC435 Theories of Personality and Psychotherapy

Contact department for information to register for this course.

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology: From Science to Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

0101	Mary Byrne	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	BPS 1238	

PSYC437 **The Assessment and Treatment of Addictive Behaviors**

PSYC437 The Assessment and Treatment of Addictive Behaviors; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and 9 credits in PSYC courses. Credit only granted for: PSYC309E (taken in the Winter Term) or PSCY437. Formerly: PSYC309E. Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.

0101	Laura MacPherson	Seats (Total: 40)	
	TuTh 2:00pm - 3:15pm	BPS 1238	

PSYC440 **Experimental Psychology: Cognitive Processes**

PSYC440 Experimental Psychology: Cognitive Processes; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC341 and PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language. Restricted to PSYC (major code 20010) students only.

0101	Tracy Tomlinson	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	BPS 1238	
	W 1:00pm - 3:00pm	BPS 0140	Lab

PSYC442 **Psychology of Language**

Contact department for information to register for this course.

PSYC444 **Cyberpsychology: The Psychology of Human/Computer Interactions**

PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Credit only granted for: PSYC309E or PSYC444. Formerly: PSYC309E. Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology. Restricted to PSYC (major code 20010) students only.

0101	Kent Norman	Seats (Total: 36)
	MWF 11:00am - 11:50am	PLS 1129

PSYC460 **Psychological Foundations of Personnel Selection and Training**

PSYC460 Psychological Foundations of Personnel Selection and Training; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC361 and PSYC200. An examination of issues and processes involved in the design and evaluation of personnel selection and training programs in a variety of organizational settings: job, person and organizational analysis; organizational choice; development of predictors; evaluation of instructional and training systems; criteria for performance evaluation, promotion and training.

0101	Paul Hanges	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	BPS 1238

PSYC468H **Field Experience and Special Assignments in Honors**

PSYC468H Field Experience and Special Assignments in Honors; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Jack Blanchard	Seats (Total: 20)
	Tu 4:00pm - 4:50pm	BPS 3141

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC489G **Advanced Special Topics in Psychology; Hormones and Behavior**

PSYC489G Advanced Special Topics in Psychology: Hormones and Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Formerly PSYC309Z. Prerequisite: PSYC301 or equivalent. For students who have not had PSYC301, written permission of the instructor and department is required. This lecture-based course is a study of the interactions among hormones, the brain, and behavior. Studying hormones and behavior is exciting, interdisciplinary, and involves understanding a wide range of phenomena - from single cells to complex behavior.

0101	Erica Glasper Andrews	Seats (Total: 30)
	MW 3:30pm - 4:45pm	BPS 1236

PSYC489H **Advanced Special Topics in Psychology; Motivated Social Cognition**

PSYC489H *(PermReq)* **Advanced Special Topics in Psychology: Motivated Social Cognition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restricted to PSYC (major code 20010) Our beliefs, judgments and impression have a motivational basis. Sometimes our motivation is to reach the Truth, at other times the primary motivation is to fulfill our wishes of some sort. Recent research in social cognition examined the ways in which our motivation affect our beliefs and how this in turn affects our behavior. This course will examine major theories and research findings in the area to inform students about this major aspect of human psychology.

0101	A Kruglanski	Seats (Total: 20)
	W 3:00pm - 5:30pm	BPS 1103

PSYC489I **Advanced Special Topics in Psychology; Group Behavior**

PSYC489I Advanced Special Topics in Psychology: Group Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restricted to PSYC (major code 20010) The goal of this course is to provide an in-depth review of research and theorizing about the social group. Topics include historical perspectives on the social group, group development and structure, group decision-making and performance, groups in society (i.e. juries, group psychotherapy, families, etc), group conflict, the formation and maintenance of prejudice, the development of social stereotypes, and the processes and outcomes of social categorization.

0101	Charles Stangor	Seats (Total: 20)
	W 2:00pm - 4:30pm	BPS 1112

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC602 **Quantitative Methods II**

PSYC602 Quantitative Methods II; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC601. A continuation of PSYC 601. Topics include experimental design, analysis of variance, analysis of covariance, multiple regression, and general linear models. For all non-psychology graduate students, written permission of the instructor is required.

0101	Kevin O'Grady	Seats (Total: 23)	
	TuTh 9:00am - 11:00am	BPS 1232	
	Th 5:00pm - 7:00pm	PLS 1129	Lab

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 Introduction to Industrial and Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: PSYC603 or PSYC730. Formerly: PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

0101	Juliet Aiken	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	BPS 1112

PSYC607 **Advanced Topics in Human-Learning and Cognitive Psychology**

PSYC607 Advanced Topics in Human-Learning and Cognitive Psychology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: PSYC607 or PSYC671. Formerly: PSYC671. A systemic review of major topic areas in the field of human learning and cognition, with emphases on information processes, mental representations, memory, reasoning, problem solving, and language.

0101	Nina Hsu	Seats (Total: 25)
	Th 12:30pm - 3:00pm	BPS 1103

PSYC611 **Advanced Developmental Psychology**

PSYC611 Advanced Developmental Psychology; (3 credits) Grade Method: REG/AUD.
Systematic exploration of contemporary and classic theories of development focusing on the assumptions they make and research they generate.

0101	Jude Cassidy	Seats (Total: 15)
	W 9:30am - 12:00pm	BPS 1103

PSYC622 **Research Methods in Clinical Psychology**

PSYC622 *(PermReq)* **Research Methods in Clinical Psychology; (3 credits)** Grade Method: REG.
Restriction: Permission of instructor. Credit only granted for: PSYC622 or PSYC718. Formerly: PSYC718. Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

0101	Lea Dougherty	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	BPS 2114B

PSYC623 **Child Psychopathology**

PSYC623 Child Psychopathology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. Issues in developmental psychopathology and consideration of processes initiated in childhood which manifest as pathology in adulthood are also considered.

PLC1	Elizabeth Malesa	Seats (Total: 30)	
	Meets March 3, 2014 - May 23, 2014		
	Th 6:00pm - 9:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Clinical Psychological Science Program.		

PSYC625 **Clinical Assessment: Psychometric Principles, Testing and Behavior**

PSYC625 *(PermReq)* **Clinical Assessment: Psychometric Principles, Testing and Behavior; (3 credits)** Grade Method: REG.
Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC625 or PSYC721. Formerly: PSYC721. An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

0101	Andres De Los Reyes W 9:00am - 11:30am	Seats (Total: 10) BPS 1238

PSYC629 **Clinical Laboratory**

PSYC629 *(PermReq)* **Clinical Laboratory; (1-3 credits)** Grade Method: S-F.

0101	Mary Byrne W 1:00pm - 3:30pm	Seats (Total: 10) Location: TBA
0201	Abigail Romirowsky Tu 3:30pm - 6:30pm	Seats (Total: 10) Location: TBA
0301	Aditi Vijay Th 9:00am - 11:30am	Seats (Total: 10) Location: TBA

PSYC630 **Behavioral and Cognitive Behavioral Intervention for Adults**

PSYC630 Behavioral and Cognitive Behavioral Intervention for Adults; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC680. Restriction: Permission of instructor. Credit only granted for: PSYC630 or PSYC728. Formerly: PSYC728. Introduces students to the process of therapy with particular focus on behavioral focus on behavioral and cognitive behavioral internentions. Syllabus focuses on theory, research, client diversity, ehtics, and practical aspects of conducting therapy. Online course delivered synchronously. Restricted to

PLC1	Aditi Vijay	Seats (Total: 30)	
	Meets March 3, 2014 - May 23, 2014		
	Tu 6:00pm - 9:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion
	Restricted to students in the Clinical Psychological Science Program.		

PSYC632 **Behavioral and Cognitive Behavioral Intervention for Children and Adolescents**

PSYC632 Behavioral and Cognitive Behavioral Intervention for Children and Adolescents; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Formerly: PSYC789A. Introduces students to the process of therapy with particular focus on behavioral and cognitive behavioral interventions in children and adolescents. Syllabus focuses on theory, research, client diversity, ethics and practical aspects of conducting therapy.

0101	Andrea Chronis-Tuscano	Seats (Total: 15)
	Tu 10:00am - 12:30pm	BPS 1112

PSYC638 **Externship in Professional Psychology; Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology: Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.
For PSYC majors only.

0101	Carl Lejuez	Seats (Total: 20)
	Contact instructor or department for details.	
0201	Karen O'Brien	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology; Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology: Internship in Professional Psychology; (1 credit) Grade Method: S-F.
For PSYC majors only.

0101	Carl Lejuez	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC663 **Understanding Torture and Trauma I**

PSYC663 Understanding Torture and Trauma I; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor. The focus of this course is to provide students with an introduction to the psychology of torture survivors. Students will discuss theoretical approaches to understanding of torture, think critically about the context of torture, and understand the psychological, social/familial, spiritual, physical, community, and political implications of torture. Interventions for working with torture survivors will be introduced.

PLV1	Sheetal Patel	Seats (Total: 25)
	Meets March 3, 2014 - May 23, 2014	
	Class time/details on ELMs	ONLINE
	Restricted to Students in the VTT Program.	

PSYC690 **Research in Counseling Psychology I**

PSYC690 Research in Counseling Psychology I; (3 credits) Grade Method: REG.
Restriction: Permission of instructor. Credit only granted for: PSYC690 or PSYC718. Formerly: PSYC718. Critical analysis of strategies methodological, conceptual, and content trends.

0101	Jonathan Mohr	Seats (Total: 20)
	W 9:00am - 11:50am	BPS 1234

PSYC691 **Research in Counseling Psychology II**

PSYC691 Research in Counseling Psychology II; (3 credits) Grade Method: REG.
Restriction: Permission of instructor. Credit only granted for: PSYC691 or PSYC718. Formerly: PSYC718. Critical analysis of trends and issues in counseling psychology science.

0101	Clara Hill	Seats (Total: 10)
	W 4:00pm - 7:00pm	BPS 2145

PSYC737 **Research Methods in Industrial/Organizational Psychology**

PSYC737 Research Methods in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PSYC603; or permission of instructor. Philosophy, theory, and method issues underlying I/O psychology. History and the effectiveness of different methods for answering different questions is explored. Reliability and validity are emphasized.

0101	Paul Hanges Tu 1:00pm - 3:30pm	Seats (Total: 20) BPS 3141

PSYC788B **Special Research Problems; Ethics in Scientific Research**

PSYC788B *(PermReq)* **Special Research Problems: Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Also offered as BIOL600, CHEM648E, and NACS600.

0101	Philip DeShong, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 20) BPS 1208
0102	Cynthia Moss, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 10) BPS 2249

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789B **Special Research Problems; Hormones and Behavior**

PSYC789B Special Research Problems: Hormones and Behavior; (3 credits) Grade Method: REG/AUD.

0101	Erica Glasper Andrews Contact instructor or department for details.	Seats (Total: 10)

PSYC789R **Special Research Problems; Early Social Cognition**

PSYC789R Special Research Problems: Early Social Cognition; (3 credits) Grade Method: REG/AUD.
Also offered as NACS728G. Credit granted for NACS728G or PSYC789R. This graduate seminar explores the foundations of social cognition and behavior, from birth through the first few years of life. Topics will include representations of intentional agents, expectations for agent's behavior, children's attitudes towards and evaluations of the social world, early communication, prosocial motivations, and sensitivity to social norms. The emphasis will be on empirical studies with children, but we will also draw from work with adults and other species. If you are interested in this course but are unable to participate at the listed time, please contact the instructor.

0101	Jonathan Beier	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	BPS 1103

PSYC798T **Graduate Seminar; Intermediate Functional Magnetic Resonance Imaging**

PSYC798T *(PermReq)* **Graduate Seminar: Intermediate Functional Magnetic Resonance Imaging; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PSYC309N or permission of instructor.

0101	Luiz Pessoa	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	BPS 1228

PSYC798X **Graduate Seminar; Neurophysiology of Reward, Decision-making, and Executive Function**

PSYC798X *(PermReq)* **Graduate Seminar: Neurophysiology of Reward, Decision-making, and Executive Function; (3 credits)** Grade Method: REG/AUD.
Also offered as NACS728L. Examines the neural signals in several brain areas including midbrain dopamine neurons, striatum, and cortex. Topics will include neural correlates related to motivation, reward-processing, and executive function. The focus will be on neural signals collected from awake behaving animals.

0101	Matthew Roesch	Seats (Total: 10)
	TuTh 12:30pm - 1:45pm	BPS 1112

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888A **Research Methods in Psychology; Reserach Methods in Psychology: Development Seminar**

PSYC888A Research Methods in Psychology: Reserach Methods in Psychology: Development Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Elizabeth Redcay	Seats (Total: 15)
	Contact instructor or department for details.	

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology**

PSYC888C Research Methods in Psychology; (1-3 credits) Grade Method: REG/AUD.

0101	Tracy Tomlinson	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888E **Research Methods in Psychology; Selection and Diversity**

PSYC888E Research Methods in Psychology: Selection and Diversity; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Hanges	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1-3 credits) Grade Method: REG/AUD.

0201	Robert Slevc	Seats (Total: 10)
	F 9:00am - 9:50am	BPS 1232

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Spring 2014

PUAF201 **Leadership for the Common Good**

PUAF201 Leadership for the Common Good; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.

0101	Ricco Hall	Seats (Total: 25)
	Tu 6:00pm - 8:30pm	ASY 3211

PUAF301 **Sustainability**

PUAF301 Sustainability; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: AGNR301. Credit only granted for: AGNR301 or PUAF301. Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Daria Karetnikov	Seats (Total: 95)
	W 1:00pm - 3:45pm	SKN 0200

PUAF302 **Leadership: Philosophy, Policy and Praxis**

PUAF302 Leadership: Philosophy, Policy and Praxis; (3 credits) Grade Method: REG/P-F/AUD.
Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.

0101	James Stillwell	Seats (Total: 25)
	W 4:15pm - 6:45pm	TLF 1126

PUAF311 **Women in Leadership**

PUAF311 Women in Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PUAF311 or PUAF359W. Formerly: PUAF359W. Examines the role of women in the leadership process including the participation of women as activists, voters, advocates, public leaders and as agents of change through various avenues including, among others, public service (elected and appointed), the media, community service, political organizations, and the nonprofit sector.

0101	Anne Kaiser	Seats (Total: 25)
	Tu 4:15pm - 6:45pm	TLF 1126

PUAF312 **Leading to Get Results**

PUAF312 Leading to Get Results; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PUAF312 or PUAF359J. Formerly: PUAF359J. Students will have an opportunity to learn and use results-based leadership competencies to take actions that will make a measurable difference in an issue affecting the student and/or university community.

0101	Janay Queen	Seats (Total: 27)
	M 4:15pm - 6:45pm	TLF 1126

PUAF313 **Advocacy in the American Political System**

PUAF313 Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PUAF313 or PUAF359C. Formerly: PUAF359C. Introduces students to the creation of law through the legislative process with a special focus on the Maryland General Assembly.

0101	Gerard Evans	Seats (Total: 148)
	M 1:30pm - 4:00pm	SKN 0200

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: REG/S-F.

0101	James Stillwell	Seats (Total: 40)
	Contact instructor or department for details.	

PUAF359I **Contemporary Issues in Political Leadership and Participation; The Art and Science of Philanthropy**

PUAF359I Contemporary Issues in Political Leadership and Participation: The Art and Science of Philanthropy; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Jennifer Littlefield	Seats (Total: 31)
	Th 2:00pm - 4:30pm	ARM 0110
	Restricted to students in the College Park Scholars Public Leadership.	

PUAF386 **Experiential Learning**

PUAF386 Experiential Learning; (3-6 credits) Grade Method: REG.
Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.

0101	Nina Harris	Seats (Total: 15)	
	Contact instructor or department for details.		

PUAF388D **Special Topics in Public Policy; Innovation and Social Change: Do Good Now**

PUAF388D Special Topics in Public Policy: Innovation and Social Change: Do Good Now; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0301	Jennifer Littlefield	Seats (Total: 35)	
	MW 1:00pm - 1:50pm	KEY 0116	
	W 5:00pm - 5:50pm	KEY 0116	Discussion

PUAF388T **Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

PUAF388T *(PermReq)* **Special Topics in Public Policy: Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of PUAF-School of Public Policy. Restriction: Must be enrolled in the full-time fellowship program. Individual instruction course.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Seth Weissman	Seats (Total: 25)	
	W 7:00pm - 9:30pm	VMH 1311	
	Th 1:30pm - 4:00pm	VMH 1207	Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Jerome Dugan	Seats (Total: 20)	
	Tu 9:15am - 11:45am	VMH 1203	
	M 4:15pm - 6:45pm	VMH 1207	Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Christopher Foreman Th 9:15am - 11:45am	Seats (Total: 29) VMH 1203	

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Michael Busse Tu 4:15pm - 6:45pm Tu 9:15am - 11:45am	Seats (Total: 17) VMH 1207 PKT 1221	 Discussion
0201	Seth Weissman W 1:30pm - 4:00pm Tu 9:15am - 11:45am	Seats (Total: 25) PKT 1224 PKT 1224	 Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie W 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 VMH 1107	 Discussion
0201	William Helkie Th 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207 VMH 1107	 Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Daniel Levine Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203	
0301	Miguel Gonzalez-Marcos W 9:15am - 11:45am	Seats (Total: 22) VMH 1207	

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices.

0101	Philip Joyce Tu 1:30pm - 4:00pm F 1:30pm - 4:00pm	Seats (Total: 25) VMH 1203 PKT 1221	 Discussion
0301	Travis St Clair W 4:15pm - 6:45pm	Seats (Total: 25) VMH 1203	

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF688A **Topics in Public Policy; Comparative Political Institutions**

PUAF688A Topics in Public Policy: Comparative Political Institutions; (3 credits) Grade Method: REG/AUD.

0101	Miguel Gonzalez-Marcos W 7:00pm - 9:30pm	Seats (Total: 29) VMH 1203

PUAF688C **Topics in Public Policy; Cyberspace: Legal and Policy Implications**

PUAF688C Topics in Public Policy: Cyberspace: Legal and Policy Implications; (3 credits) Grade Method: REG/AUD.

0101	William Nolte W 9:15am - 11:45am	Seats (Total: 20) VMH 1101

PUAF688F **Topics in Public Policy; State, Local & Non-Profit Financial Management**

PUAF688F Topics in Public Policy: State, Local & Non-Profit Financial Management; (3 credits) Grade Method: REG/AUD.
Restricted to PUAF majors or permission of instructor.

0101	Travis St Clair Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 1203

PUAF689B **Public Policy Topics; Advanced Microeconomics & Policy**

PUAF689B Public Policy Topics: Advanced Microeconomics & Policy; (3 credits) Grade Method: REG/AUD.

0101	Jerome Dugan M 9:15am - 11:45am	Seats (Total: 20) VMH 1203

PUAF689D **Public Policy Topics; Social Entrepreneurship**

PUAF689D Public Policy Topics: Social Entrepreneurship; (3 credits) Grade Method: REG.

DC06	James Sanders **Meets January 25, 2014 - March 15, 2014** Sa 1:40pm - 5:50pm Contact instructor or department for details.	Seats (Total: 20) DC C5

PUAF689E **Public Policy Topics; Program Evaluation and Cost-Benefit Analysis**

PUAF689E Public Policy Topics: Program Evaluation and Cost-Benefit Analysis; (3 credits) Grade Method: REG/AUD.

0101	Douglas Call, Carl Delorenzo, Douglas Besharov, Peter Germanis Th 7:00pm - 10:00pm *Primarily for students in Social Policy specialization.*	Seats (Total: 45) SQH 1120
0201	Douglas Besharov, Peter Germanis, Douglas Call, Carl Delorenzo Th 7:00pm - 10:00pm *For students in specializations other than Social, Health or Education Policy.*	Seats (Total: 45) SQH 1120
0301	Carl Delorenzo, Douglas Besharov, Peter Germanis, Douglas Call Th 7:00pm - 10:00pm *Primarily for students in Education and Health specializations.*	Seats (Total: 25) SQH 1120

0401	Douglas Besharov, Carl Delorenzo, Peter Germanis, Douglas Call Th 7:00pm - 10:00pm	Seats (Total: 25) SQH 1120
	For students interested in Economic Development and Labor Force Policy.	

PUAF689F **Public Policy Topics; Current Issues in Federal Acquisition**

PUAF689F Public Policy Topics: Current Issues in Federal Acquisition; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758P and ENSE698F.

0101	Jacques Gansler M 4:00pm - 6:40pm	Seats (Total: 20) JMP 2216

PUAF689K **Public Policy Topics; Decision Analysis**

PUAF689K Public Policy Topics: Decision Analysis; (3 credits) Grade Method: REG/AUD.

0101	Elisabeth Gilmore Tu 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF689N **Public Policy Topics; U.S./China Social Policy**
Contact department for information to register for this course.

PUAF689P **Public Policy Topics; Strategic Philanthropy**

PUAF689P Public Policy Topics: Strategic Philanthropy; (3 credits) Grade Method: REG/AUD.

0101	Robert Grimm Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107

PUAF689Q **Public Policy Topics; Quantitative Methods for Evidence-based Policies**

PUAF689Q *(PermReq)* **Public Policy Topics: Quantitative Methods for Evidence-based Policies; (3 credits)** Grade Method: REG/AUD.
Restricted to PUAF majors of permission of instructor.

0101	Alok Bhargava Tu 4:15pm - 6:45pm M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101 VMH 1207	 Discussion

PUAF689V **Public Policy Topics; Forecasting & Analyzing Political Violence**

PUAF689V Public Policy Topics: Forecasting & Analyzing Political Violence; (3 credits) Grade Method: REG/AUD.

0101	Kevin Jones W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF689X **Public Policy Topics; Performance Management**
Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**
Contact department for information to register for this course.

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

PUAF698C Selected Topics in Public Affairs: Intelligence, Policy Making and Politics; (3 credits) Grade Method: REG/AUD.

0101	William Nolte W 4:15pm - 6:45pm	Seats (Total: 24) VMH 1101

PUAF698E **Selected Topics in Public Affairs; Proseminar in Normative Public Policy**

PUAF698E Selected Topics in Public Affairs: Proseminar in Normative Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Daniel Levine M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF698F **Selected Topics in Public Affairs; Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

PUAF698L **Selected Topics in Public Affairs; International Environment Agreements**

PUAF698L Selected Topics in Public Affairs: International Environment Agreements; (3 credits) Grade Method: REG/AUD.

0101	Thomas Hilde	Seats (Total: 22)
	Th 4:15pm - 6:45pm	VMH 1107

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**
Contact department for information to register for this course.

PUAF698P **Selected Topics in Public Affairs; Information Policy & Technology**
Contact department for information to register for this course.

PUAF698R **Selected Topics in Public Affairs; Developmental Challenges**

PUAF698R Selected Topics in Public Affairs: Developmental Challenges; (3 credits) Grade Method: REG/AUD.

0101	Carol Graham	Seats (Total: 25)
	W 5:30pm - 8:00pm	Location: TBA
	Offered at The Brookings Institution, 1775 Massachusetts Ave, NW, Washington, DC, near the Dupont Metro station.	

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**
Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Leaderships in Groups and Organizations**
Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organization**
Contact department for information to register for this course.

PUAF699K **Selected Topics Public Policy; Civil Conflict and Terrorism**

PUAF699K Selected Topics Public Policy: Civil Conflict and Terrorism; (3 credits) Grade Method: REG/AUD.

0101	John Steinbruner	Seats (Total: 20)
	Tu 1:30pm - 4:00pm	VMH 1107

PUAF699L **Selected Topics Public Policy; Leading and Motivating People**
Contact department for information to register for this course.

PUAF699M **Selected Topics Public Policy; Acquisitions in National Security**
Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**
Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking for Analysts**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
Contact department for information to register for this course.

PUAF699Z **Selected Topics Public Policy; Energy Policy**

PUAF699Z Selected Topics Public Policy: Energy Policy; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA W 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Samuel McCann M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203
0201	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1207

0301	Elizabeth Duke Tu 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207
0401	Elizabeth Duke M 9:15am - 11:45am	Seats (Total: 20) VMH 1207

PUAF717 **Federal Budgeting: Policy and Process**

PUAF717 Federal Budgeting: Policy and Process; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.

0101	Philip Joyce W 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF724 **Problems of Global Security**
Contact department for information to register for this course.

PUAF732 **Policy and Politics of Education Reform**

PUAF732 Policy and Politics of Education Reform; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Examines education reform in its historical, fiscal, cultural, and legal contexts, and the changing relationship between education and economic opportunity. Focuses on institutional and normative issues, including national standards, public school choice, charter schools, vouchers and funding equity.

0101	Tirza Wilbon White	Seats (Total: 24)
	W 4:15pm - 7:00pm	EDU 3236

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy. Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	John Haaga	Seats (Total: 25)
	Tu 7:00pm - 9:30pm	VMH 1207

PUAF737 **Strategies of Equality**

PUAF737 Strategies of Equality; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698Y. Concentrates on the institutional and political means by which disadvantaged segments of the United States population have sought to enhance their social, economic and political prospects. Race, gender and disability are the substantive focal points, with considerable attention given to the challanges of African American socio-political uplift. Also explores legislation, litigation, administration, agitation (i.e. protest), and constitutional reform. Students become familiar with alternative conceptions of equality and the modes of argument employed in different institutional and political contexts.

0101	Christopher Foreman Th 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF740 **Public Policy and the Environment**

PUAF740 Public Policy and the Environment; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

0101	Frances Dubrowski Tu 7:00pm - 9:30pm	Seats (Total: 26) VMH 1203

PUAF745 **Human Health and Environmental Policy**

PUAF745 Human Health and Environmental Policy; (3 credits) Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 25) VMH 1203

PUAF753 **Advanced Negotiations**
Contact department for information to register for this course.

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0201	Catherine Kelleher	Seats (Total: 20)	
	M 1:30pm - 4:00pm	VMH 1203	

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Phillip Swagel	Seats (Total: 28)	
	Th 4:15pm - 6:45pm	VMH 1203	
	M 4:15pm - 6:45pm	VMH 1203	Discussion

PUAF782 **International Development Economics**

PUAF782 International Development Economics; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Credit only granted for: PUAF698U or PUAF782. Formerly: PUAF698U. Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

0101	Instructor: TBA	Seats (Total: 42)	
	F 12:15pm - 2:45pm	VMH 1203	

PUAF783 **Development and Foreign Aid**

PUAF783 Development and Foreign Aid; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698Q.* Examines the empirical, conceptual, and ethical dimensions of international development policies and U.S. foreign aid. What is the present character of development in poor countries/regions? How should development be conceived? What development strategies are best? What is and should be the purpose of U.S. foreign aide and development assistance?

0101	David Crocker	Seats (Total: 20)
	W 1:30pm - 4:00pm	VMH 1107

PUAF784 **Disease, Disaster, and Development**

PUAF784 Disease, Disaster, and Development; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Credit only granted for: PUAF699D or PUAF784. Formerly: PUAF699D. Studies development, the process by which needy people in fragile societies become self-sufficient people in resilient societies, in relation to disease and disaster, with particular attention to the developed world's response.

0101	Robert Sprinkle	Seats (Total: 20)
	Th 1:30pm - 4:00pm	VMH 1101

PUAF790 **Project Course**

PUAF790 Project Course; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results. For students taking evaluation-based IDEV project course.

0101	Charles Short	Seats (Total: 15)
	F 10:00am - 12:30pm	VMH 1207
	For students in Management & Leadership and Public Sector Financial Management specializations.	

0111	Charles Short F 10:00am - 12:30pm *For students in Non-Profit Management specialization.*	Seats (Total: 15) Location: TBA
0201	Douglas Call, J Mihm, Kevin Jones, Douglas Besharov F 9:30am - 12:00pm *For students in the Social, Health, or Education specialization.*	Seats (Total: 15) VMH 1203
0211	Kevin Jones, J Mihm, Douglas Call, Douglas Besharov F 9:30am - 12:00pm *For students in the Social, Health, or Education specialization.*	Seats (Total: 18) VMH 1107
0301	Anand Patwardhan Th 9:15am - 11:45am *For students in Environmental or Energy specializations.*	Seats (Total: 30) VMH 1107
0401	Jonas Siegel, Catherine Kelleher, I M Mac Destler, Kevin Jones Th 9:45am - 11:45am Contact instructor or department for details. *For students in ISEP specialization.*	Seats (Total: 16) VMH 1207
0411	Catherine Kelleher, Kevin Jones, I M Mac Destler, Jonas Siegel Th 9:15am - 11:45am *For students in ISEP specialization.*	Seats (Total: 16) Location: TBA
0421	Jonas Siegel, Catherine Kelleher, I M Mac Destler, Kevin Jones Th 10:00am - 12:30pm *For students in ISEP specialization.*	Seats (Total: 15) Location: TBA
0501	Susan Schwab Th 9:15am - 11:45am *For students taking traditional IDEV project course.*	Seats (Total: 22) VMH 1101

0511	Douglas Besharov, Kevin Jones, Douglas Call, J Mihm F 9:30am - 12:00pm	Seats (Total: 18) VMH 1101
	For students preferring an evaluation based IDEV project course.	
0521	Kevin Jones, Douglas Besharov, Douglas Call, J Mihm F 9:30am - 12:00pm	Seats (Total: 20) Location: TBA

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798G **Readings in Public Policy; Health Economics and Analysis**

PUAF798G Readings in Public Policy: Health Economics and Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jie Chen Tu 1:00pm - 3:45pm	Seats (Total: 25) KEY 0124

PUAF798L **Readings in Public Policy; Environmental Law and Finance**
Contact department for information to register for this course.

PUAF798R **Readings in Public Policy; Quantitative Research Methods and Public Policy**

PUAF798R Readings in Public Policy: Quantitative Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: Public Policy PhD student or permission of instructor.

0101	Alok Bhargava W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207

PUAF798T **Readings in Public Policy; Sustainable Development, Democracy and Human Rights in Peru**
Contact department for information to register for this course.

PUAF798X **Readings in Public Policy**
Contact department for information to register for this course.

PUAF798Y **Readings in Public Policy; Non-Profit Management**

PUAF798Y Readings in Public Policy: Non-Profit Management; (3 credits) Grade Method: REG/AUD.

0101	Robert Grimm Th 4:15pm - 6:45pm	Seats (Total: 22) VMH 1207

PUAF798Z **Readings in Public Policy; Qualitative Research Methods and Public Policy**

PUAF798Z Readings in Public Policy: Qualitative Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Peter Reuter F 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Spring 2014

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV630, RDEV688B, or URSP664. Formerly: RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Alfred Tetrault Tu 7:00pm - 9:40pm	Seats (Total: 35) ARC 1103

RDEV635 **Capital Markets and Real Estate Investments for Developers**

RDEV635 *(PermReq)* **Capital Markets and Real Estate Investments for Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: RDEV630, URSP664, or RDEV688. Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV635 or RDEV688F. Formerly: RDEV688F. An advanced course in real estate finance focusing on capital markets and complex financing mechanism in the public and private markets for raising capital for development of public, private and public/private projects.

0101	Maria Day-Marshall W 7:00pm - 9:40pm	Seats (Total: 18) ARC 1119

RDEV650 **Essentials of Design and Construction Management for Development Professionals**

RDEV650 *(PermReq)* **Essentials of Design and Construction Management for Development Professionals; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV650 or RDEV688C. Formerly: RDEV688C. Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

0101	Matthew O'Malley M 7:00pm - 9:40pm	Seats (Total: 28) ARC 1101

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG/AUD. For RDEV majors only or permission of department. Click here for more course information.

0101	Delna White-Gray Th 7:00pm - 10:00pm	Seats (Total: 30) ARC 1105

RDEV688G **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

RDEV688G *(PermReq)* **Selected Topics in Real Estate Development: Planning Policy, Practice and Politics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of the department. Click here for more course information.

0101	Mary Konsoulis Tu 7:00pm - 9:40pm	Seats (Total: 20) ARC 1123

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Click here for more course information.

0101	Timothy Pula, Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1121
0102	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1117
0103	James Agliata Tu 7:00pm - 9:40pm	Seats (Total: 15) ARC 1125

0104	Margaret McFarland, Michael Bush Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1127
0105	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 10) Location: TBA

RDEV688V **Selected Topics in Real Estate Development; Valuation and Appraisal**

RDEV688V Selected Topics in Real Estate Development: Valuation and Appraisal; (3 credits) Grade Method: REG/AUD.

0101	Nathan Brantley M 7:00pm - 9:40pm	Seats (Total: 24) ARC 1103

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department. Click here for more course information.

0101	Germano Gomez, Michael Bush W 7:00pm - 9:40pm	Seats (Total: 30) ARC 1103

RDEV689B **Current Topics in Real Estate Development; Financing and Investing with Historic, Low-Income and New Market Tax Credits**

RDEV689B *(PermReq)* **Current Topics in Real Estate Development: Financing and Investing with Historic, Low-Income and New Market Tax Credits; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department; must have completed one of the following: URSP664, RDEV688B, or RDEV630. Preferable to have completed RDEV688F. Click here for more course information.

0101	Alfred Tetrault M 7:00pm - 9:40pm	Seats (Total: 18) ARC 1105

RDEV689D **Current Topics in Real Estate Development; Design and Development Project Competition**

RDEV689D *(PermReq)* **Current Topics in Real Estate Development: Design and Development Project Competition; (3 credits)** Grade Method: REG/AUD.

0101	Alfred Tetrault W 7:00pm - 10:00pm	Seats (Total: 12) ARC 1123	

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

RDEV689Y *(PermReq)* **Current Topics in Real Estate Development: Guided Real Estate Development Project; (1-3 credits)** Grade Method: REG/AUD.

0101	Margaret McFarland W 7:00pm - 10:00pm	Seats (Total: 5) ARC 1101	

RDEV689Z **Current Topics in Real Estate Development; Sustainable Development**

RDEV689Z Current Topics in Real Estate Development: Sustainable Development; (3 credits) Grade Method: REG/AUD.

0101	Douglas Lashley Th 7:00pm - 9:40pm	Seats (Total: 25) ARC 1101	

RELS Religious Studies Spring 2014

RELS170 **Greek and Roman Mythology**

RELS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. *Also offered as: CLAS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.* An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Gregory Staley MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 JMZ 0103	Discussion
0102	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 1124	Discussion

0103	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0119	Discussion
0104	Gregory Staley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 CHM 0124	Discussion
0105	Gregory Staley MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 0120	Discussion
0106	Gregory Staley MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 EGR 3102	Discussion
0107	Gregory Staley MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 EGR 3102	Discussion
0201	Gregory Staley MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 0122	Discussion
0202	Gregory Staley MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) MMH 1400 JMZ 0118	Discussion
0203	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ARM 0118	Discussion
0204	Gregory Staley MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 CHM 0122	Discussion
0205	Gregory Staley MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 JMZ 0125	Discussion

0206	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 CHM 0122	Discussion
0207	Gregory Staley MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 ARM 0120	Discussion
0208	Gregory Staley MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 EGR 1108	Discussion

RELS216 **What is Religion?**

RELS216 What is Religion?; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: HIST216, or RELS216. Formerly: HIST216. What is religion, and what approaches best allow us to understand it? Students will explore a variety of approaches to religion (possibly including sociology, psychology, phenomenology, gender studies, and cognitive approaches, among others) in the course of exploring five to eight major religious traditions. Close attention to religious diversity will provide students with a context for asking what really counts as "religion" and why.

0101	Thu Khuc TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 2206	

RELS219F **Special Topics in Religious Studies; Jews and the Bible Through the Ages**

RELS219F Special Topics in Religious Studies: Jews and the Bible Through the Ages; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as CMLT298F and JWST219F. Credit will be granted for one of the following: CMLT298F, JWST219F, or RELS219F. The Bible has been studied and used for guidance for millennia. In this course the Jewish commentators, their commentaries, and their world views will be explored both for insight into their societies and to gain a better perspective of our own.

0101	Joshua Dachman TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 2117	

RELS269B **Special Topics in Study Abroad II; Buddhism and Culture**
Contact department for information to register for this course.

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**
Contact department for information to register for this course.

RELS289D **God Wills It! The Crusades in Medieval and Modern Perspective**

RELS289D God Wills It! The Crusades in Medieval and Modern Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Also offered as HIST133. Credit only granted for: HIST133, HIST289D, or RELS289D.
An examination of the identities and convictions both of the Western Europeans who participated in the Crusades and of the Easterners (Muslim, Christian, and Jewish) whom they encountered in the Holy Land. Focuses on the era of the first four great Crusades, from about 1095 to 1215. Consideration of the cultural impact of these movements on both Western Europe and the Middle East.

0101	Instructor: TBA MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 25) KEY 0102 KEY 0121	 Discussion
0102	Instructor: TBA MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) KEY 0102 KEY 0121	 Discussion
0103	Instructor: TBA MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) KEY 0102 HBK 1108	 Discussion

RELS319N **Special Topics in Religious Studies; Introduction to Native American Cultures of the United States**

RELS319N Special Topics in Religious Studies: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST328N and ANTH468F. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

RELS369C **Special Topics in Study Abroad III; Between Tolerance and Conflict**
Contact department for information to register for this course.

RELS369L **Special Topics in Study Abroad III; Society and Religion in Latin America**
Contact department for information to register for this course.

RELS369R **Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**
Contact department for information to register for this course.

RELS369Z **Special Topics in Study Abroad III; All Roads Lead to Rome**
Contact department for information to register for this course.

RELS370 **Ancient Greek Religion: Gods, Myths, Temples**

RELS370 Ancient Greek Religion: Gods, Myths, Temples; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: CLAS330. Credit only granted for: CLAS330 or RELS370. Survey of Greek religious ideas and practices as they evolve from the Bronze Age to the early Christian period.

0101	Jorge Bravo	Seats (Total: 34)
	TuTh 11:00am - 12:15pm	JMP 2202

RELS419M **Advanced Topics in Religious Studies; Confucius' Many lives in East Asia & Asian America**

RELS419M Advanced Topics in Religious Studies: Confucius' Many lives in East Asia & Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498B, HIST428K, and PHIL428L. Credit will be granted for one of the following: AAST498B, HIST428K, PHIL428L, or RELS419M. Explores the strong influences of Confucian cultural ideals in East Asia and among Asian Americans, from ancient China to the 21st century modern present, focusing on the ways diverse peoples imagined Confucius to meet the needs of their times. Topics include: ideas about leading a good and meaningful life, religion, philosophy, family, politics, and education, as well as globalimigrations of ideas, peoples, and cultural practices in the Pacific World.

0101	Lisa Mar MW 2:00pm - 3:15pm	Seats (Total: 40) PLS 1119

RELS419T **Advanced Topics in Religious Studies; Seeking the Spiritual in Nineteenth and Twentieth-Century America: Journeys in Faith**

RELS419T Advanced Topics in Religious Studies: Seeking the Spiritual in Nineteenth and Twentieth-Century America: Journeys in Faith; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429T. Credit granted for HIST429T or RELS419T.

0101	Miles Bradbury MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

RUSS Russian Spring 2014

RUSS102 **Intensive Elementary Russian II**

RUSS102 Intensive Elementary Russian II; (6 credits) Grade Method: REG. *Prerequisite: RUSS101 or RUSS102; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS102 or (RUSS113 and RUSS114).* A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

0101	Inna Hardman MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1124 JMZ 2120
0201	Inna Hardman MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1124 JMZ 2120

RUSS202 **Intermediate Russian II**

RUSS202 Intermediate Russian II; (5 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: RUSS201; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Continued activation and expansion of skills and knowledge acquired in RUSS201 with the goal of communicative competence.

0101	Zhanna Gerus-Vernola	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3205
	TuTh 10:00am - 10:50am	JMZ 3205

RUSS204 **Russian for Heritage Speakers II**

RUSS204 Russian for Heritage Speakers II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS203; or heritage knowledge of Russian equal to or higher than minimum one year of Russian UMD language classes or appropriate Foreign Language Placement Testing (FLPT) score. Restriction: For heritage speakers only, i.e., Russian speakers who grew up outside of Russia with different levels of Russian, wanting to gain literacy and improve their Russian overall. Credit only granted for: RUSS202 or RUSS204. For Russian heritage speakers (Russian speakers who grew up outside of Russia) with different levels of Russian, wanting to gain literacy and improve their Russian overall.

0101	Marianna Landa	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 3203

RUSS221 **Masterworks of Russian Literature I**

RUSS221 Masterworks of Russian Literature I; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. Introduction to the classics of Russian literature in translation, beginning with Pushkin in the early 19th century and concluding with works of Dostoevsky and Tolstoy in the latter part of the century. Taught in English.

0101	Marianna Landa	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 1122

RUSS282 **Contemporary Russian Culture**

RUSS282 Contemporary Russian Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Russia of the post-Communist era. An exploration of the cultural implications of the disintegration of the former Soviet Union. Also included is a brief introduction to the Russian language: alphabet, elementary reading and survival skills for the first time traveler. Course format includes a combination of lectures, group discussions, videos, and optional field trips. Taught in English.

0101	Cynthia Martin	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	JMZ 2123

RUSS302 **Advanced Russian II**

RUSS302 Advanced Russian II; (3 credits) Grade Method: REG.
Prerequisite: RUSS301. Advanced training in written Russian communicative structures.

0101	Maria Lekic	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3205

RUSS321 **Survey of Russian Literature I**

RUSS321 Survey of Russian Literature I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202; or students who have taken courses with comparable content may contact the department. The first half of a survey of Russian literature.

0101	Maria Lekic	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMZ 2125

RUSS386 **Experiential Learning**

RUSS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department. Contact the department to obtain section numbers.

Contact department for information to register for this course.

RUSS398P **Selected Topics in Russian Language and Literature; Russia of the Post-Communist Era**

RUSS398P Selected Topics in Russian Language and Literature: Russia of the Post-Communist Era; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cynthia Martin	Seats (Total: 9)
	Tu 3:30pm - 6:00pm	JMZ 3120
	An exploration of the cultural implications of the disintegration of th former Soviet Union. Course format includes a combination of lectures, group discussions, videos and student presentations. Taught in English. Assignments in Russian.	

RUSS402 **Practicum in Written Russian**

RUSS402 Practicum in Written Russian; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: RUSS401; or students who have taken courses with comparable content may contact the department.* Designed to improve comprehension of functional varieties of written Russian and develop ability to present in written form concise syntheses of source texts.

0101	Elena Lozinsky	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2123

RUSS405 **Russian-English Translation I**

RUSS405 Russian-English Translation I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed or be concurrently enrolled in RUSS302.* Introduction to the principles of translation of a particular genre, and is typically diplomatic, business, or literary.

0101	Elena Lozinsky	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2120

RUSS409L **Selected Topics in Russian Language Study; Advanced Russian Proficiency**

RUSS409L Selected Topics in Russian Language Study: Advanced Russian Proficiency; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cynthia Martin	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1215

RUSS499 **Independent Study in Russian**

RUSS499 *(PermReq)* **Independent Study in Russian; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS499C **Independent Study in Russian; Majors' Colloquium**

RUSS499C Independent Study in Russian: Majors' Colloquium; (1 credit) Grade Method: REG.
For Russian majors in Russian 302 or above and Language House residents working toward the LH notation. Non-heritage students only. Taught in Russian.

0101	Zhanna Gerus-Vernola	Seats (Total: 10)
	M 12:00pm - 12:50pm	JMZ 0118

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Spring 2014

SLAA498 **Second Language Research and Practicum**

SLAA498 Second Language Research and Practicum; (1-3 credits) Grade Method: REG.

0101	Ilina Stojanovska	Seats (Total: 10)
	Contact instructor or department for details.	

SLAA620 **Second Language Research Methodologies**

SLAA620 Second Language Research Methodologies; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610; and must have completed or be concurrently enrolled in SLAA611. An exploration of research methodology in second language acquisition (SLA), with a focus on developing practical skills in data analysis and interpretation. Preparation in both critical evaluation of existing research and design of new research models.

0101	Robert De Keyser	Seats (Total: 10)
	W 4:00pm - 6:30pm	JMZ 2122

SLAA650 **Second Language Analysis**

SLAA650 Second Language Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610; or permission of ARHU-School of Languages, Literatures, and Cultures department. An overview of the field of linguistics with a particular attention to its application in SLA studies, introduces students to the basic concepts and skills related to the scientific study of language, and provides them with opportunities to apply these concepts and skills in the analysis of language. It covers topics such as phonetics, phonology, morphology, syntax, semantics, language acquisition, and language use.

0101	Nan Jiang	Seats (Total: 10)
	Tu 1:00pm - 3:30pm	JMZ 0120

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA749P **Special Topics in Second Language Learning; Bilingual Processing**

SLAA749P Special Topics in Second Language Learning: Bilingual Processing; (3 credits) Grade Method: REG/AUD.

0101	Nan Jiang Th 2:00pm - 4:30pm	Seats (Total: 10) TWS 1106

SLAA750 **Instructed Second Language Acquisition**

SLAA750 Instructed Second Language Acquisition; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610. Survey of studies on effectiveness of SLA instruction within various domains of language, with focus on research design.

0101	Michael Long M 4:00pm - 6:30pm	Seats (Total: 20) JMZ 1117

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (1-3 credits) Grade Method: REG/AUD.

0101	Kira Gor	Seats (Total: 15)
	Th 5:00pm - 7:30pm	JMZ 1117

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures Spring 2014

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**
Contact department for information to register for this course.

SLLC269D **Special Topics in Study Abroad II; Catalan Language and Culture**
Contact department for information to register for this course.

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**
Contact department for information to register for this course.

SLLC309 **Language Partner Program**

SLLC309 *(PermReq)* **Language Partner Program; (1 credit)** Grade Method: REG. This course meets Feb 17th, March 31st and May 5th.

0101	Gabriele Strauch	Seats (Total: 50)
	M 4:00pm - 6:00pm	Location: TBA
	Course will have meetings on the following dates: 02/17, 03/31 and 05/05.	

SLLC335 **The Arab-Israeli Conflict Through Film**

SLLC335 The Arab-Israeli Conflict Through Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: FILM335. Credit only granted for: SLLC335, FILM335, HEBR298B, or ISRL249B. Formerly: HEBR298B or ISRL249B. How does the Arab-Israeli Conflict represent itself? How do the actors within this conflict (and some from outside) come to understand this conflict by representing it to themselves? The prism of film will touch on many of the various discourses (history, society, culture). The course will investigate whether the medium of film represents and formulates this Conflict in a particular way.

0101	Eric Zakim, Valerie Anishchenkova	Seats (Total: 25)
	M 10:00am - 10:50am	SQH 1121
	W 10:00am - 11:50am	SQH 1121

SLLC369D **Special Topics in Study Abroad III; Art and Dictatorship**
Contact department for information to register for this course.

SLLC369E **Special Topics in Study Abroad III; Experiments in Czech Film**
Contact department for information to register for this course.

SLLC386 **Experiential Learning**

SLLC386 Experiential Learning; (3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and the student's internship sponsor. Restriction: Junior standing or higher.*

Contact department for information to register for this course.

SLLC698B **Special Topics in Interdisciplinary Studies; The Arab-Israeli Conflict Through Film**

Contact department for information to register for this course.

SLLC698G **Special Topics in Interdisciplinary Studies; Orientations in Film Theory: The Essay Film**

SLLC698G Special Topics in Interdisciplinary Studies: Orientations in Film Theory: The Essay Film; (1 credit) Grade Method: REG/AUD.
From a situation of relative neglect, the essay film has in recent years been resurrected as one of the most theoretically interesting cinematic genres. Class meets from 2-4pm on the following dates; 2/14, 2/28, 4/4 and 4/18 in HBK 0302H. Also offered as CMLT788G. Click here for more course information.

0101	Eric Zakim, Luka Arsenjuk TBA	Seats (Total: 10) HBK 0302H

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**
Contact department for information to register for this course.

SOCY Sociology Spring 2014

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0101	Jillet Sam TuTh 8:00am - 9:15am	Seats (Total: 60) ASY 1213
0201	Perry Threlfall MWF 12:00pm - 12:50pm	Seats (Total: 47) ASY 3203

0401	Margaret Smith MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309	
0501	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3219	 Discussion
0502	Lester Andrist MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 ASY 3215	 Discussion
0503	Lester Andrist MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0504	Lester Andrist MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 EDU 2101	 Discussion
0505	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3215	 Discussion
0506	Lester Andrist MW 1:00pm - 1:50pm F 8:00am - 8:50am	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0507	Lester Andrist MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0508	Lester Andrist MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 21) ASY 2203 EDU 2101	 Discussion
0509	Lester Andrist MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 21) ASY 2203 EDU 1315	 Discussion
0601	Lester Andrist MW 3:30pm - 4:45pm	Seats (Total: 53) ASY 1213	

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Jonathan Cox TuTh 8:00am - 9:15am	Seats (Total: 60) ASY 2309
0201	Zsuzsa Daczo MWF 12:00pm - 12:50pm	Seats (Total: 47) ASY 3207
0401	Daniel Swann MWF 10:00am - 10:50am	Seats (Total: 47) ASY 3207
0501	Jenelle Clark MWF 10:00am - 10:50am	Seats (Total: 47) ASY 3203
0601	Mary Kniskern MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0701	Sarah Wanenchak MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309

SOCY105H **Introduction to Contemporary Social Problems**

SOCY105H Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Joseph Waggle TuTh 11:00am - 12:15pm	Seats (Total: 25) ASY 3219

SOCY200 **Human Societies**

SOCY200 Human Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
A comparative, historical, interdisciplinary study of human socieities that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.

0101	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 EDU 0206	Discussion
0102	John Pease TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0103	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0104	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 EDU 1107	Discussion
0105	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3221	Discussion
0106	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ARC 1101	Discussion

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm M 8:00am - 9:50am	Seats (Total: 20) ASY 2309 LEF 0221	 Lab
0104	Alan Neustadtl TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 20) ASY 2309 LEF 0221	 Lab
BL01	Alan Neustadtl Tu 9:30am - 10:45am Class time/details on ELMs M 10:00am - 11:50am	Seats (Total: 20) ASY 2309 ONLINE LEF 0221	 Lab
	Blended Learning courses combine face-to-face and online interactions.		
BL02	Alan Neustadtl Tu 9:30am - 10:45am Class time/details on ELMs M 12:00pm - 1:50pm	Seats (Total: 20) ASY 2309 ONLINE LEF 0221	 Lab
	Blended Learning courses combine face-to-face and online interactions.		

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: SOCY201.* The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Christina Prell TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0102	Christina Prell TuTh 11:00am - 12:15pm M 11:00am - 12:45pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0103	Christina Prell TuTh 11:00am - 12:15pm F 9:00am - 10:45am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0104	Christina Prell TuTh 11:00am - 12:15pm F 11:00am - 12:45pm	Seats (Total: 20) ASY 1213 ASY 3217	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for all SOCY majors.

0201	Meyer Kestnbaum TuTh 2:00pm - 3:15pm	Seats (Total: 80) ASY 1213

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. *Credit only granted for: SOCY227 or SOCY327. Formerly: SOCY327.* An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Zsuzsa Daczo MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0201	David Strohecker TuTh 2:00pm - 3:15pm	Seats (Total: 47) ASY 3203

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Jeffrey Lucas TuTh 2:00pm - 3:15pm	Seats (Total: 180) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Denae Johnson MWF 11:00am - 11:50am	Seats (Total: 47) ASY 3207
0201	Jonathan Jackson TuTh 3:30pm - 4:45pm	Seats (Total: 39) ASY 3203

SOCY258L **Special Topics in Study Abroad II; Living Rome: Urban Spaces, Culture, Identity**

SOCY258L *(PermReq)* **Special Topics in Study Abroad II: Living Rome: Urban Spaces, Culture, Identity; (1-6 credits)** Grade Method: REG/P-F/AUD.

Contact department for information to register for this course.

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 3 credits in SOCY courses.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Amy McLaughlin TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213
0201	Crosby Hipes TuTh 8:00am - 9:15am	Seats (Total: 47) ASY 3207
0301	Ann Forsythe MWF 12:00pm - 12:50pm	Seats (Total: 53) ASY 2309
0401	Ann Forsythe MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0501	Perry Threlfall MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0601	Amy Baxter TuTh 8:00am - 9:15am	Seats (Total: 40) ASY 3203
0701	Eowna Young Harrison, Liana Sayer, Mollie Greenberg TuTh 12:30pm - 1:45pm	Seats (Total: 80) ASY 2309

SOCY3580 **Special Topics in Study Abroad III; Modern Chinese Culture and Society**
Contact department for information to register for this course.

SOCY358F **Special Topics in Study Abroad III; Sociology of Contemporary Italy**

SOCY358F *(PermReq)* **Special Topics in Study Abroad III: Sociology of Contemporary Italy; (1-6 credits)** Grade Method: REG/P-F/AUD.

SA23	Instructor: TBA	Seats (Total: 0)
	Contact instructor or department for details.	

SOCY358G **Special Topics in Study Abroad III; Sociology and Gender Studies: A Global Perspective**
Contact department for information to register for this course.

SOCY358P **Special Topics in Study Abroad III; Modern Chinese Culture and Society**
Contact department for information to register for this course.

SOCY358V **Special Topics in Study Abroad III; Gender Studies: A Global Perspective**
Contact department for information to register for this course.

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly: SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly: SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Sociology department; and junior standing or higher. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398B **Special Topics in Sociology; The Black Middle Class**

SOCY398B Special Topics in Sociology: The Black Middle Class; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kris Marsh	Seats (Total: 29)
	TuTh 9:30am - 10:45am	ASY 3221

SOCY398C **Special Topics in Sociology; Transitions from Undergraduate to Professional**

SOCY398C Special Topics in Sociology: Transitions from Undergraduate to Professional; (1 credit) Grade Method: REG/P-F/AUD.

0101	Nicole De Loatch	Seats (Total: 15)
	M 12:00pm - 1:50pm	ASY 1117

SOCY398I **Special Topics in Sociology; Theories of Immigration: Israel as a Case Study**

SOCY398I Special Topics in Sociology: Theories of Immigration: Israel as a Case Study; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349K. Credit will be granted for one of the following ISRL349K or SOCY398I. Over 90% of Israel's Jewish population is made of first, second or third generation immigrants, who came from over 70 countries, making Israel a ultimate immigrant society. This course will focus on the history of Israel as a case study for the understanding of the historical phenomen of modern immigration.

0101	Pnina Peri	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1107

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)** Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY399G **Independent Study in Sociology; Social Policy, Social Exclusion**
Contact department for information to register for this course.

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Jennifer Nixon	Seats (Total: 29)
	TuTh 9:30am - 10:45am	ASY 3203

SOCY411 **Demographic Techniques**

SOCY411 Demographic Techniques; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: (SOCY201; or students who have taken courses with comparable content may contact the department); and SOCY410. Or permission of BSOS-Sociology department.* Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

0101	Joan Kahn MW 2:00pm - 3:15pm	Seats (Total: 25) ASY 3219

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG.
Prerequisite: 6 credits in SOCY courses. Formerly: SOCY312. Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Feinian Chen TuTh 11:00am - 12:15pm	Seats (Total: 29) ASY 3203

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Also offered as: AAST424. Credit only granted for: AAST424 or SOCY424. Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Rashawn Ray MW 2:00pm - 3:15pm	Seats (Total: 29) ASY 3203

SOCY428K **Research in Inequality; Global Inequality**

SOCY428K Research in Inequality: Global Inequality; (3 credits) Grade Method: REG.

0101	Roberto Korzeniewicz MW 2:00pm - 3:15pm	Seats (Total: 25) ASY 1101

SOCY428V **Research in Inequality; The End of the Gender Revolution**

SOCY428V Research in Inequality: The End of the Gender Revolution; (3 credits) Grade Method: REG.

0101	Reeve Vanneman TuTh 11:00am - 12:15pm	Seats (Total: 23) ASY 3217

SOCY430 **Social Structure and Identity**

SOCY430 Social Structure and Identity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

0101	Amy Baxter TuTh 9:30am - 10:45am	Seats (Total: 29) ARC 1101

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch TuTh 2:00pm - 3:15pm	Seats (Total: 29) ASY 3207

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

BL01	John Pease Th 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 80) ASY 2309 ONLINE	
	Blended Learning courses combine face-to-face and online interactions.		

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0201	Philip Cohen MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 20) ASY 2309 ASY 3219	Discussion
0202	Philip Cohen MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) ASY 2309 ASY 3219	Discussion
0203	Philip Cohen MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) ASY 2309 ASY 3219	Discussion
0204	Philip Cohen MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) ASY 2309 EDU 0206	Discussion

SOCY458T **Special Topics in Study Abroad IV; Human TrafficKing in a Global Context**
Contact department for information to register for this course.

SOCY464 **Military Sociology**

SOCY464 Military Sociology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Social change and the growth of military institutions. Complex formal military organizations. Military service as an occupation or profession. The sociology of military life. Relations between military institutions, civilian communities and society.

0101	Meredith Kleykamp TuTh 9:30am - 10:45am	Seats (Total: 29) ASY 3207

SOCY465 **The Sociology of War**

SOCY465 The Sociology of War; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* The origin and development of armed forces as institutions, the social causes, operations and results of war as social conflict; the relations of peace and war and revolution in contemporary civilizations.

0101	Meyer Kestnbaum TuTh 12:30pm - 1:45pm	Seats (Total: 29) ASY 3207

SOCY467 **Sociology of Education**

SOCY467 Sociology of Education; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

0101	Linda Moghadam TuTh 11:00am - 12:15pm	Seats (Total: 29) ASY 3207

SOCY498 **Selected Topics in Sociology**
Contact department for information to register for this course.

SOCY498A **Selected Topics in Sociology; Race and Class Based Identities**

SOCY498A Selected Topics in Sociology: Race and Class Based Identities; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rashawn Ray MW 3:30pm - 4:45pm	Seats (Total: 29) ASY 3207

SOCY498K **Selected Topics in Sociology; Youth, Resistance, and Social Control**
Contact department for information to register for this course.

SOCY498L **Selected Topics in Sociology; Global Social Policy**
Contact department for information to register for this course.

SOCY498P **Selected Topics in Sociology; Sociology of Cities**
Contact department for information to register for this course.

SOCY498Z **Selected Topics in Sociology; Pratical Sociology**
Contact department for information to register for this course.

SOCY601 **Statistics For Sociological Research I**

SOCY601 *(PermReq)* **Statistics For Sociological Research I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: SOCY201; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. Credit only granted for: SOCY601 and SURV601. Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used.

0101	Meredith Kleykamp	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ASY 1101

SOCY621 **Contemporary Sociological Theory**

SOCY621 Contemporary Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY620, SOCY203, or SOCY403; or permission of instructor. Review of sociological theory since approximately 1970, with emphasis given to schools of thought (from symbolic interaction to post- modernism) and priciple participants in them (from Goffman to Baudrilliard). Taught via teleconference.

0101	George Ritzer	Seats (Total: 10)
	W 6:30pm - 9:00pm	ASY 3114

SOCY622 **The Sociology of Knowledge**

SOCY622 The Sociology of Knowledge; (3 credits) Grade Method: REG/AUD. Analysis of the relation of types of knowledge to social structure. Role of social class and social organization in the development of science, political ideology, belief systems and social values. Social roles associated with production of knowledge. Restricted to sociology doctoral students or permission of instructor.

0101	Patricia Collins Tu 3:30pm - 6:00pm	Seats (Total: 10) ASY 1117

SOCY634 **Attitudes and Public Opinion**

SOCY634 Attitudes and Public Opinion; (3 credits) Grade Method: REG/AUD. Processes involved in the formation of attitudes; effects of communication; measurement techniques.

0101	Stanley Presser W 3:30pm - 6:00pm	Seats (Total: 20) ASY 1101

SOCY635 **Social Aspects of Fertility**

SOCY635 Social Aspects of Fertility; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of instructor.* Demographic and socioeconomic aspects of fertility behavior; causes and consequences of fertilty decline; relationship between women's status and fertility; determinants of adolescent and nonmarital fertility; differential fertility by race/ethnicity and migration status.

0101	Joan Kahn W 3:30pm - 6:00pm	Seats (Total: 20) ASY 1117

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699C **Special Social Problems; Introduction to Computing for Sociologists**

SOCY699C Special Social Problems: Introduction to Computing for Sociologists; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl W 9:00am - 10:50am	Seats (Total: 10) LEF 0221

SOCY699E **Special Social Problems; Critical Race Initiative**

SOCY699E *(PermReq)* **Special Social Problems: Critical Race Initiative; (1 credit)** Grade Method: REG/AUD.
Permission of instructor required.

0101	Patricia Collins Contact instructor or department for details.	Seats (Total: 5)

SOCY699F **Special Social Problems; Great Books in Gender**

SOCY699F Special Social Problems: Great Books in Gender; (3 credits) Grade Method: REG/AUD.

0101	Liana Sayer Tu 3:30pm - 6:00pm	Seats (Total: 20) ASY 4111

SOCY699L **Special Social Problems; Diversity in the Military**

SOCY699L Special Social Problems: Diversity in the Military; (3 credits) Grade Method: REG/AUD.

0101	Kirby Bowling W 3:30pm - 6:00pm	Seats (Total: 20) ASY 2115
PCL1	Kirby Bowling W 3:30pm - 6:00pm *Restricted to Navy LEAD cohorts (MPLD).*	Seats (Total: 20) ASY 2115

SOCY699N **Special Social Problems; Power, Status, and Leadership in Groups**

SOCY699N Special Social Problems: Power, Status, and Leadership in Groups; (3 credits) Grade Method: REG/AUD.

PCL1	Jeffrey Lucas	Seats (Total: 20)
	Tu 9:00am - 11:30am	ASY 1101
	Restricted to Navy LEAD cohorts (MPLD majors).	

SOCY699P **Special Social Problems; Proseminar**

SOCY699P Special Social Problems: Proseminar; (1 credit) Grade Method: REG/AUD.

0101	Philip Cohen	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 4111

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	John Pease	Seats (Total: 15)
	Contact instructor or department for details.	

SOCY699T **Special Social Problems; Teaching Sociology**

SOCY699T Special Social Problems: Teaching Sociology; (1 credit) Grade Method: REG.

0101	Linda Moghadam	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 2115

SOCY699X **Special Social Problems; Methodologies of Social Research**

SOCY699X Special Social Problems: Methodologies of Social Research; (3 credits) Grade Method: REG/AUD.

0101	Melissa Milkie	Seats (Total: 20)
	M 3:30pm - 6:00pm	ASY 2115

SOCY699Y **Special Social Problems; Qualitative Methods II- Field Research**

SOCY699Y Special Social Problems: Qualitative Methods II- Field Research; (3 credits) Grade Method: REG/AUD.

0101	Dana Fisher	Seats (Total: 20)
	W 3:30pm - 6:00pm	ASY 3112

SOCY709D **Advanced Special Topics in Data Analysis; Advanced Social Statistics**

SOCY709D Advanced Special Topics in Data Analysis: Advanced Social Statistics; (3 credits) Grade Method: REG/AUD.

0101	Michael Rendall	Seats (Total: 20)
	M 3:30pm - 6:00pm	ASY 1101

SOCY789D **Advanced Special Topics in Social Stratification; Residential Segregation**

SOCY789D Advanced Special Topics in Social Stratification: Residential Segregation; (3 credits) Grade Method: REG/AUD.

0101	Kris Marsh	Seats (Total: 20)
	Th 3:30pm - 6:00pm	ASY 1101

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Lucas	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	Meyer Kestnbaum	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Melissa Milkie	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Philip Cohen	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Spring 2014

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Daybert Linares MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) EDU 3315 JMZ 0122
0201	Aida Garcia Revuelta MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0122 JMZ 0118
0301	Sarah Dowman MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0120 JMZ 0118
0401	Instructor: TBA MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0120 JMZ 0125
0501	Evelyn Canabal-Torres MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0125 JMZ 1124

SPAN169L **Special Topics in Study Abroad I; Spanish Language A1**
Contact department for information to register for this course.

SPAN169M **Special Topics in Study Abroad I; Spanish Language A2**
Contact department for information to register for this course.

SPAN169O **Special Topics in Study Abroad I; Beginner Spanish I**
Contact department for information to register for this course.

SPAN169P **Special Topics in Study Abroad I; Beginner Spanish II**
Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**
Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**
Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	D'Juan Lyons MWThF 9:00am - 9:50am	Seats (Total: 25) JMZ 3203
0201	Carla Onate MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 0118 JMZ 0125
0301	Kayla Watson MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 0208 JMZ 0118

0401	Carla Onate MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208 JMZ 0118
0501	Carla Onate MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208 JMZ 0118
0601	Carla Onate MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1224 JMZ 1224
0701	Instructor: TBA MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103 TYD 1114
0801	Kayla Watson MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 1224 JMZ 0120
0901	D'Juan Lyons MWF 10:00am - 10:50am Th 10:00am - 10:50am	Seats (Total: 25) JMZ 0122 JMZ 0208

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Melissa Gonzalez-Contreras MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 25) JMZ 2123 JMZ 0125
0201	Fabian Faccio MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125
0301	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2206

0401	Maria Monsalve MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0205

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must have native or near native knowledge of oral Spanish; and must have no formal education in Spanish. Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting.

0101	Evelyn Canabal-Torres MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2122

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0201	Karen Krausen MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0301	Ivette Rodriguez-Santana MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1224
0401	Luis Charry MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1122
0501	Ginette Eldredge MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1122 JMZ 3120

0601	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 2207

SPAN207H **Reading and Writing in Spanish**

SPAN207H Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 10) JMZ 2207

SPAN235 **Issues in Latin American Studies II**

SPAN235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as: PORT235, LASC235. Credit only granted for: SPAN235, PORT235, or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of SPAN/PORT/LASC234, but completion of 234 is not a prerequisite. Taught in English.

0101	Shari Orisich TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104
0102	David Freund Contact instructor or department for details.	Seats (Total: 0)
0201	Shari Orisich MW 11:00am - 12:15pm	Seats (Total: 35) KEY 0125

SPAN269A **Special Topics in Study Abroad II; B1 Intermediate Level Spanish I**
Contact department for information to register for this course.

SPAN269B **Special Topics in Study Abroad II; B1 Intermediate Level Spanish I**
Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intensive Intermediate Spanish**
Contact department for information to register for this course.

SPAN269L **Special Topics in Study Abroad II; Spanish Language B1**
Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0401	Laura Quijano MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2120
0501	Laura Quijano MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2120
0601	Douglas Glynn MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 2120
0701	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1224
BL01	Fabian Faccio MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 2206
	Blended Learning courses combine face-to-face and online interactions.	
BL02	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2120
	Blended Learning courses combine face-to-face and online interactions.	
BL03	Ana Acedo Garcia MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2120

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Chila Hidalgo MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0118
0201	Chila Hidalgo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0120
0301	Chila Hidalgo MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0118

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: SPAN207; or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Ana Rodriguez TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2122
0201	Jason Bartles TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1103
0301	Carmen Benito-Vessels MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0103 JMZ 2122
0401	Instructor: TBA TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1224
0501	Lisa Carney MWF 10:00am - 10:50am	Seats (Total: 20) WDS 1130

0601	Lisa Carney MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2125
0701	Maria Becerril Longares MW 3:30pm - 4:45pm	Seats (Total: 20) JMZ 2117

SPAN306 **Spanish II for Native Speakers**

SPAN306 Spanish II for Native Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN206. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

0101	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2122

SPAN307 **Oral Communication Skills for Native Speakers of Spanish**

SPAN307 Oral Communication Skills for Native Speakers of Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Development of techniques for formal public speaking in Spanish. Writing and delivering oral presentations for varied audiences and purposes. Includes strategies for organization, the use of rhetorical patterns, and the development of effective discourse. Designed for bilingual students who are native speakers of Spanish (Heritage Language learners), who have been educated in the U.S. and whose Spanish ability is mainly oral.

0101	Evelyn Canabal-Torres MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2117

SPAN315 **Commercial Spanish I**
Contact department for information to register for this course.

SPAN318 **Translation of Technical Texts**

SPAN318 Translation of Technical Texts; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maria Gomez-Martin MWF 10:00am - 10:50am	Seats (Total: 20) HBK 0123
0201	Norman Gonzalez MWF 11:00am - 11:50am	Seats (Total: 20) TYD 1132
0301	Norman Gonzalez MF 12:00pm - 12:50pm W 12:00pm - 12:50pm	Seats (Total: 20) TYD 1132 TYD 0101

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**
Contact department for information to register for this course.

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

SPAN332 Spanish Culture, Civilization and Literature II: Renaissance and Baroque; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Hernan De Pinillos TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMZ 2117

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Anne Giller-Wilde MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3120

SPAN335 **Cultural History of Seville**
Contact department for information to register for this course.

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**
Contact department for information to register for this course.

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**

SPAN362 Latin American Literatures and Cultures II: From Independence to Nation Formation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Ryan Long MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2117
0201	Laura Demaria TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3203

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN324 or SPAN347. Credit only granted for: SPAN324, SPAN347, or SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Juan Carlos Quintero-Herencia TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2207
0201	Juan Carlos Quintero-Herencia TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2207

SPAN369A **Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**
Contact department for information to register for this course.

SPAN369B	**Special Topics in Study Abroad III; Advanced Academic Writing in Spanish** **Contact department for information to register for this course.**
SPAN369F	**Special Topics in Study Abroad III; Spanish Oral Skills through Theatre** **Contact department for information to register for this course.**
SPAN369G	**Special Topics in Study Abroad III; Spanish for the Health Professional** **Contact department for information to register for this course.**
SPAN369I	**Special Topics in Study Abroad III; Advanced Studies in Spanish** **Contact department for information to register for this course.**
SPAN369M	**Special Topics in Study Abroad III; Spanish Language B2** **Contact department for information to register for this course.**
SPAN369O	**Special Topics in Study Abroad III; Spanish Conversation and Oral Skills** **Contact department for information to register for this course.**
SPAN369Q	**Special Topics in Study Abroad III; Spanish Phonetics and Phonology** **Contact department for information to register for this course.**
SPAN369R	**Special Topics in Study Abroad III; Advanced Reading Skills in Spanish** **Contact department for information to register for this course.**
SPAN369T	**Special Topics in Study Abroad III; Angloamerican Travelers in Spain** **Contact department for information to register for this course.**
SPAN369V	**Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage** **Contact department for information to register for this course.**
SPAN369W	**Special Topics in Study Abroad III; Spanish Stylistics / Advanced Spanish Writing and Stylistics** **Contact department for information to register for this course.**
SPAN369Y	**Special Topics in Study Abroad III; B2 Advanced Level Spanish 1** **Contact department for information to register for this course.**

SPAN369Z **Special Topics in Study Abroad III; B2 Advanced Level Spanish 2**
Contact department for information to register for this course.

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

SPAN389V **Special Topics in Spanish Language, Culture and Literature; Cultural History of Seville**
Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**
Contact department for information to register for this course.

SPAN402 **Advanced Composition II**
Contact department for information to register for this course.

SPAN408E **Great Themes of the Hispanic Literatures; Outlawed: Crime, the State, and Detective Fiction**

SPAN408E Great Themes of the Hispanic Literatures: Outlawed: Crime, the State, and Detective Fiction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ryan Long	Seats (Total: 25)
	MWF 11:00am - 11:50am	JMZ 0205

SPAN408F **Great Themes of the Hispanic Literatures; The Bright Middle Ages**

SPAN408F Great Themes of the Hispanic Literatures: The Bright Middle Ages; (3 credits) Grade Method: REG/P-F/AUD.

0101	Carmen Benito-Vessels	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 2122

SPAN408I **Great Themes of the Hispanic Literatures; Latino/a Transmigration and Transnationalism-(El Salvador)**

SPAN408I Great Themes of the Hispanic Literatures: Latino/a Transmigration and Transnationalism-(El Salvador); (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.

0101	Ana Rodriguez	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 2122

SPAN408J **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**
Contact department for information to register for this course.

SPAN408N **Great Themes of the Hispanic Literatures; Love, Science, Religion and the Pursuit of Criollo Independeence in 18th-Century Mexico**
Contact department for information to register for this course.

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**
Contact department for information to register for this course.

SPAN408Z **Great Themes of the Hispanic Literatures; 20th Century Contemporary Latin American Cinema**
Contact department for information to register for this course.

SPAN409F **Great Themes of the Hispanic Literatures; Mitos Literarios y Filosofia en la Tradicion Europea**
Contact department for information to register for this course.

SPAN409M **Great Themes of the Hispanic Literatures; Contemporary Spain through Spanish Cinema**
Contact department for information to register for this course.

SPAN409N **Great Themes of the Hispanic Literatures; 20th Century Spanish History and Cinema**
Contact department for information to register for this course.

SPAN409O **Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema**
Contact department for information to register for this course.

SPAN409W **Great Themes of the Hispanic Literatures; Women Writers of Spain**
Contact department for information to register for this course.

SPAN409Y **Great Themes of the Hispanic Literatures; Filmmaking in Spain**
Contact department for information to register for this course.

SPAN409Z **Great Themes of the Hispanic Literatures; Spanish Film and Theatre**
Contact department for information to register for this course.

SPAN415 **Commercial Spanish II**

SPAN415 Commercial Spanish II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN315; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Sophomore standing or higher.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.

0101	Fabian Faccio MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2206
0201	Matthew Lewis MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2206
0301	Andrew Milacci MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2206

SPAN422 **Cross-Cultural Communication**

SPAN422 Cross-Cultural Communication; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Prerequisite: SPAN315. Restriction: Must be in Spanish Language, Literatures, and Cultures program; and junior standing or higher. Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to cross-cultural communication, linguistic systems, and culture specific perceptions of the Hispanic world.

0101	Roberta Lavine	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 0205

SPAN426 **Introduction to Hispanic Linguistics II: Language in Use**

SPAN426 Introduction to Hispanic Linguistics II: Language in Use; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN425. Also offered as: SPAN626. Designed for students without previous experience in Linguistics. Focus on language variation and use, linguistic change, and bilingualism.

0101	Ana Acedo Garcia	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2122

SPAN430 **Cervantes: Don Quijote**

SPAN430 Cervantes: Don Quijote; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

0101	Hernan De Pinillos	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 3205

SPAN449A **Special Topics in Spanish Civilization; Spanish Civilization**
Contact department for information to register for this course.

SPAN449C **Special Topics in Spanish Civilization; History of Spain II: 20th Century**
Contact department for information to register for this course.

SPAN449J **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**
Contact department for information to register for this course.

SPAN449M	**Special Topics in Spanish Civilization; Barcelona and Madrid: Contemporary Film and Theatre** **Contact department for information to register for this course.**
SPAN449Q	**Special Topics in Spanish Civilization; 20th Century History of Spain and the Basque Country** **Contact department for information to register for this course.**
SPAN449Z	**Special Topics in Spanish Civilization; Literature and Cinema in the Contemporary City** **Contact department for information to register for this course.**
SPAN462	**Twentieth Century Drama** **Contact department for information to register for this course.**
SPAN464	**Contemporary Spanish Poetry** **Contact department for information to register for this course.**
SPAN466	**The Contemporary Spanish Novel** **Contact department for information to register for this course.**
SPAN469A	**Study Abroad Special Topics IV; Advanced Topics in Spanish Language** **Contact department for information to register for this course.**
SPAN469C	**Study Abroad Special Topics IV; Composition** **Contact department for information to register for this course.**
SPAN479	**Honors Thesis** **SPAN479** *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. **Contact department for information to register for this course.**
SPAN495	**Honors Reading** **SPAN495 Honors Reading; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Supervised reading. **Contact department for information to register for this course.**

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN788G **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Humanism, Renaissance and El Quijote**

SPAN788G Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Humanism, Renaissance and El Quijote; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

SPAN788P **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Historiography, Tradition and Modernity in 19th Century Mexican Literature: Selected Topics: Poetry and Edition**

SPAN788P Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Historiography, Tradition and Modernity in 19th Century Mexican Literature: Selected Topics: Poetry and Edition; (1 credit) Grade Method: REG/AUD.
Class meets February 28, March 7, and March 14thfrom 3:00-6:00pm in JMZ 2215F. Professer Mora will provide additional individual instruction to registered students at times to be announced.

0101	Pablo Mora	Seats (Total: 10)
	Contact instructor or department for details.	

SPAN798L **Open Seminar; Landscapes, Provinces, and Cities: Reflections on the Production of Space**

SPAN798L Open Seminar: Landscapes, Provinces, and Cities: Reflections on the Production of Space; (3 credits) Grade Method: REG/AUD.

0101	Laura Demaria	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	JMZ 3203

SPAN798M **Open Seminar; The Contemporary Spanish Novel through Parody**

SPAN798M Open Seminar: The Contemporary Spanish Novel through Parody; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA Th 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2207

SPAN798N **Open Seminar; On Latin America: Colonial and Colonialities**

SPAN798N Open Seminar: On Latin America: Colonial and Colonialities; (3 credits) Grade Method: REG/AUD.

0101	Eyda Merediz W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 2207

SPAN798O **Open Seminar; Argentinian ABC: Arlt-Borges-Cortazar**

SPAN798O Open Seminar: Argentinian ABC: Arlt-Borges-Cortazar; (3 credits) Grade Method: REG/AUD.

0101	Saul Sosnowski M 3:30pm - 6:00pm	Seats (Total: 10) JMZ 3203

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Spring 2014

SPHL298A **SPH Ambassador Program; School of Public Health Ambassador Program**

SPHL298A SPH Ambassador Program: School of Public Health Ambassador Program; (1 credit) Grade Method: REG/P-F/AUD.

0101	Erin Caporellie M 12:30pm - 2:00pm	Seats (Total: 15) CHE 2116

SPHL400 **Introduction to Global Health**

SPHL400 Introduction to Global Health; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: SPHL400 or SPHL498A. Formerly: SPHL498A.* Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.

SG91	Muhiuddin Haider M 2:00pm - 4:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	
SG92	Muhiuddin Haider W 2:00pm - 4:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL402 **Public Health Emergency Preparedness**

SPHL402 Public Health Emergency Preparedness; (3 credits) Grade Method: REG/P-F/AUD.
Intensive introduction to public health emergency preparedness. Course will provide students with an overview of the role of public health in planning, prevention, preparedness, response, and recovery from disasters, both manmade and natural.

SG91	Marilyn London W 9:00am - 11:50am	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	
SG92	Marilyn London W 2:00pm - 4:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL412 **Food, Policy, and Public Health**

SPHL412 Food, Policy, and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: NFSC100. Broad overview of the impact of food and food policy on public health. Course covers topics such as access to food, food systems, influence of food policies on the individual, the cost of food, influences on food selection, food safety risks and responses, nutrition-related health challenges, and a comparison of US food/nutrition issues with those of other nations. For school of public health students only. Class meets at the Shady Grove Campus

SG91	Mariya Fox-Rabinovich M 5:00pm - 7:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL491 **Public Health Science Internship**

SPHL491 *(PermReq)* **Public Health Science Internship; (3 credits)** Grade Method: REG/P-F/AUD.

Restriction: Must be in Public Health Science program. The Public Health Science internship will enable students to gain practical experience under conditions conducive to educational and professional development. The internship is a time-limited, supervised period of public health professional experience carried out in a related professional organization. Students will be required to submit information to document their progress and experiences.

SG91	Lynn Cook	Seats (Total: 30)
	Contact instructor or department for details.	
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL498F **Special Topics in Public Health; Social, Political, and Ethical Issues of Public Health**

SPHL498F Special Topics in Public Health: Social, Political, and Ethical Issues of Public Health; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Blair Coleman	Seats (Total: 30)
	M 6:00pm - 8:50pm	Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	
SG92	Blair Coleman	Seats (Total: 30)
	W 6:00pm - 8:50pm	Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL498L **Special Topics in Public Health; Fundamentals of Health Communication**

SPHL498L Special Topics in Public Health: Fundamentals of Health Communication; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Lynn Cook	Seats (Total: 30)
	Tu 2:00pm - 4:50pm	Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SG92	Lynn Cook W 2:00pm - 4:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL498M **Special Topics in Public Health; Public Health in Practice**

SPHL498M Special Topics in Public Health: Public Health in Practice; (3 credits) Grade Method: REG/P-F/AUD.
This is a co-requisite with SPHL491, section SG91. Students must register for both courses.

SG91	Jennifer Hodgson W 2:00pm - 4:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	
SG92	Deliya Wesley Th 6:00pm - 8:50pm	Seats (Total: 30) Location: TBA
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL498R **Special Topics in Public Health; Wellness Works: Planning Prevention Programs**

SPHL498R Special Topics in Public Health: Wellness Works: Planning Prevention Programs; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Sarah Vicente Tu 9:30am - 12:20pm	Seats (Total: 30) BLD3 2225
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL498V **Special Topics in Public Health; Public Health and Medical Anthropology**

SPHL498V Special Topics in Public Health: Public Health and Medical Anthropology; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Susan Steen	Seats (Total: 30)
	Tu 5:30pm - 8:10pm	BLD3 2226
	Restricted to Shady Grove Students in the Public Health Science program (12140), or by permission of Program Director.	

SPHL610 **Global Health Program Planning and Evaluation**

SPHL610 Global Health Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Recommended: SPHL600. Credit only granted for: SPHL610 or SPHL698D. Formerly: SPHL698D. Development of health program and evaluation plans to address critical health problems in international settings, especially transitional or in-conflict countries. Emphasis on linking a tactical program plan to overall health problems of a nation, to include the policy and economic issues involved in assessment, implementation and evaluation.

PSG1	Instructor: TBA	Seats (Total: 20)
	Th 6:00pm - 8:45pm	BLD3 4226
	Restricted to students in the Global Health Certificate. Meets at Universities of Shady Grove.	

STAT Statistics and Probability Spring 2014

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: MATH112, MATH110, MATH113, or MATH115; or permission of CMNS-Mathematics department. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100 or MATH111. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Alexander Estes	Seats (Total: 29)
	MWF 12:00pm - 12:50pm	MTH 0103

0102	Ran Ji MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0403
0103	Domingo Ruiz MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH B0429
0104	Judith Law MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0411
0105	Xuan Yao MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0304
0106	Son Ho MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0101
0107	Philip Wertheimer MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 0407
0108	Christiana Sabett MWF 12:00pm - 12:50pm	Seats (Total: 29) MTH 1313
0201	Alexander Estes MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0103
0202	Ran Ji MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0305
0203	Domingo Ruiz MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH B0421
0204	Judith Law MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0409
0205	Xuan Yao MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH B0425
0206	Son Ho MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0306
0207	Philip Wertheimer MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0403

0208	Christiana Sabett MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0201	

STAT386 **Experiential Learning**

STAT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Must have learning proposal approved by the CMNS-Mathematics Department.*

2801	Abram Kagan Contact instructor or department for details.	Seats (Total: 10)	

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 8:00am - 9:15am	Seats (Total: 28) ARM 0126 MTH 0401	Discussion
0112	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 8:00am - 9:15am	Seats (Total: 28) ARM 0126 MTH 0403	Discussion
0121	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 9:30am - 10:45am	Seats (Total: 28) ARM 0126 MTH 0401	Discussion
0122	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 9:30am - 10:45am	Seats (Total: 28) ARM 0126 MTH 0403	Discussion

0131	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 28) ARM 0126 MTH 0401	Discussion
0132	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 28) ARM 0126 MTH 0405	Discussion
0133	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0141	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 28) ARM 0126 MTH 0401	Discussion
0142	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 28) ARM 0126 MTH 0405	Discussion
0143	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 28) ARM 0126 MTH B0429	Discussion
0201	Justin Wyss-Gallifent MWF 1:00pm - 1:50pm	Seats (Total: 70) TYD 0117	
0301	Chiao-Wen Hsiao TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0106	
0401	Timothy Pilachowski MWF 11:00am - 11:50am	Seats (Total: 40) PHY 1201	

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC. Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Susan Chimiak MWF 10:00am - 10:50am	Seats (Total: 27) CHM 0122
0201	Yuan Liao TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 0201
0301	Casey Cremins TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 2154

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as: SURV410. Credit only granted for: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Sandra Cerrai TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 0101
0201	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0306
0301	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 31) MTH 0201

STAT420 **Introduction to Statistics**

STAT420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SURV410 or STAT410. Also offered as: SURV420. Credit only granted for: STAT420 or SURV420.* Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods. Offered Spring only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 31) MTH B0421
0201	Joan Ren TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 0102

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in STAT400. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Susan Chimiak MWF 1:00pm - 1:50pm	Seats (Total: 33) MTH 0303
0201	Benjamin Kedem MWF 2:00pm - 2:50pm	Seats (Total: 33) CHM 1224

STAT464 **Introduction to Biostatistics**

STAT464 Introduction to Biostatistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed one semester of calculus. Restriction: Junior standing or higher. Additional information: Not acceptable toward degrees in MATH/STAT.* Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Casey Cremins	Seats (Total: 38)
	MWF 1:00pm - 1:50pm	EGR 0110

STAT470 **Actuarial Mathematics**

STAT470 Actuarial Mathematics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH240 and MATH241. Recommended: STAT400.* Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0101	Harland Glaz	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	MTH B0421

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT601 **Probability Theory II**

STAT601 Probability Theory II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT600.* Weak convergence of measures; characteristic functions; Central Limit Theorem and local limit theorem; stable laws; Kolmogorov consistency theorem (without proof); conditional expectations and martingales; optimal stopping theorem; convergence of martingales; Brownian motion; Markov processes and families; stochastic integral and Ito formula. Offered Spring only.

0101	Mark Freidlin	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 0407

STAT650 **Applied Stochastic Processes**

STAT650 Applied Stochastic Processes; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT410; or students who have taken courses with comparable content may contact the department.* Basic concepts of stochastic processes. Markov processes (discrete and continuous parameters), Random walks, Poisson processes, Birth and death processes. Renewal processes and basic limit theorems. Discrete time martingales, stopping times, optional sampling theorem. Applications from theories of stochastic epidemics, survival analysis and others.

0101	Abram Kagan	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 0411

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT701 **Mathematical Statistics II**

STAT701 Mathematical Statistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT700; or students who have taken courses with comparable content may contact the department.* Testing hypotheses: parametric methods. Neyman-Pearson lemma. Uniformly most powerful tests. Unbiased tests. Locally optimal tests. Large sample theory, asymptotically best procedures. Nonparametric methods, Wilcoxon, Fisher-Yates, median tests. Linear models, analysis of variance, regression and correlation. Sequential analysis. Offered Spring only.

0101	Eric Slud	Seats (Total: 20)
	MW 5:00pm - 6:15pm	MTH 0304

STAT741 **Linear Statistical Models II**

STAT741 Linear Statistical Models II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT740.* Continuation of STAT 740. Multiway layouts, incomplete designs, Latin squares, complete and fractional factorial designs, crossed and nested models. Balanced random effects models, mixed models, repeated measures.General mixed model, computational algorithms, ML and REML estimates. Generalized linear models, logistic and loglinear regression. Offered Spring only.

0101	Paul Smith	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	MTH 0105

STAT770 **Analysis of Categorical Data**

STAT770 Analysis of Categorical Data; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT430 and STAT420; or permission of CMNS-Mathematics department.* Loglinear and logistic models. Single classification, two-way classification; contingency tables; tests of homogeneity and independence models, measures of association, distribution theory. Bayesian methods. Incomplete contingency tables. Square contingency tables - symmetry. Extensions to higher dimensional contingency tables.

0101	Joan Ren	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 1108

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT808A **Selected Topics in Probability**

STAT808A Selected Topics in Probability; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT818A **Selected Topics in Statistics**

STAT818A Selected Topics in Statistics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT818Z **Selected Topics in Statistics; Bayesian Method**

STAT818Z Selected Topics in Statistics: Bayesian Method; (3 credits) Grade Method: REG/AUD.
Also offered as SURV798Z. Credit will be granted for STAT818Z or SURV79 8Z.

0101	Partha Lahiri M 9:30am - 12:00pm	Seats (Total: 15) LEF 1208
SV01	Partha Lahiri M 9:30am - 12:00pm	Seats (Total: 10) Location: TBA

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Spring 2014

SURV400 **Fundamentals of Survey Methodology**

SURV400 *(PermReq)* **Fundamentals of Survey Methodology; (3 credits)** Grade Method: REG.
Prerequisite: STAT100; or permission of BSOS-Joint Program in Survey Methodology department. Credit only granted for: SURV699M or SURV400. Formerly: SURV699M.
Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in Survey Methodology (SURV).

0101	David Cantor **Meets January 27, 2014 - May 13, 2014** Th 12:00pm - 3:00pm	Seats (Total: 20) LEF 1208
SV01	David Cantor Th 12:00pm - 3:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 20) Location: TBA

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or permission of BSOS-Joint Program in Survey Methodology department. Also offered as: STAT410. Credit only granted for: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.

0101	Sandra Cerrai TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 0101
0201	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0306
0301	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 31) MTH 0201

SURV420 **Introduction to Statistics**

SURV420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SURV410 or STAT410. Also offered as: STAT420. Credit only granted for: STAT420 or SURV420. Mathematical statistics, presenting point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood, confidence intervals for parameters of normal distributions, chi-square tests, analysis of variance, regression, correlation, and nonparametric methods. Offered Spring only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 31) MTH B0421

SURV616 **Statistical Methods II**

SURV616 *(PermReq)* **Statistical Methods II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: SURV615.* Builds on the introduction to linear models and data analysis provided in Statistical Methods I. Topics include analysis of longitudinal data and time series, categorical data analysis and contingency tables, logistic regression, log-linear models for counts, statistical methods in epidemiology, and introductory life testing.

0101	James Wagner **Meets January 6, 2014 - April 20, 2014** F 12:30pm - 3:15pm	Seats (Total: 20) LEF 1208

SURV625 **Applied Sampling**

SURV625 *(PermReq)* **Applied Sampling; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Must have completed a course in statistics approved by department.* Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	James Lepkowski **Meets January 6, 2014 - April 18, 2014** W 1:00pm - 4:00pm	Seats (Total: 15) LEF 1208
SV01	James Lepkowski **Meets January 6, 2014 - April 18, 2014** W 1:00pm - 4:00pm *Class meets at the Census Bureau in Suitland, MD.*	Seats (Total: 15) Location: TBA

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
Credit only granted for: SURV430 and SURV630. The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Ting Yan	Seats (Total: 15)
	Meets January 13, 2014 - April 16, 2014	
	Tu 12:00pm - 3:00pm	LEF 1208

SURV640 **Survey Practicum I**

SURV640 *(PermReq)* **Survey Practicum I; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Survey Methodology (Doctoral); Survey Methodology (Master's)) ; or permission of instructor. Credit only granted for: SURV620 or SURV640. Formerly: SURV620. Additional information: SURV640 and SURV641 must be taken in consecutive semesters. First part of an applied workshop in sample survey design, implementation, and analysis. Problems of moving from substantive concepts to questions on a survey questionnaire, designing a sample, pretesting and adminstering the survey.

0101	Katharine Abraham	Seats (Total: 15)
	W 4:00pm - 6:00pm	LEF 1208

SURV699 **Special Topics in Survey Methodology; Readings in Survey Methodology**

SURV699 *(PermReq)* **Special Topics in Survey Methodology: Readings in Survey Methodology; (1-4 credits)** Grade Method: REG/AUD.

0101	Frederick Conrad	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Frauke Kreuter	Seats (Total: 10)
	Meets January 27, 2014 - April 19, 2014	
	Contact instructor or department for details.	

0301	Robert Croninger	Seats (Total: 10)
	Meets January 27, 2014 - April 19, 2014	
	Contact instructor or department for details.	

SURV699G **Special Topics in Survey Methodology; Envisioning the Survey Interview of the Future**

SURV699G *(PermReq)* **Special Topics in Survey Methodology: Envisioning the Survey Interview of the Future; (3 credits)** Grade Method: REG/AUD.

0101	Frederick Conrad	Seats (Total: 5)
	Meets January 9, 2014 - May 2, 2014	
	Th 1:00pm - 3:30pm	LEF 1218
	Prerequisite: Permission of instructor.	

SURV699L **Special Topics in Survey Methodology; Statistical Linkage, Record Linkage and Disclosure Avoidance**

SURV699L *(PermReq)* **Special Topics in Survey Methodology: Statistical Linkage, Record Linkage and Disclosure Avoidance; (3 credits)** Grade Method: REG/AUD.

0101	Partha Lahiri	Seats (Total: 8)
	Tu 9:30am - 12:00pm	LEF 1208
SV01	Partha Lahiri	Seats (Total: 8)
	Tu 9:30am - 12:00pm	Location: TBA
	Class meets at the Census Bureau, Room T-10 in Suitland, MD.	

SURV699O **Special Topics in Survey Methodology; Nonresponse Indicators in Responsive Design Surveys**

SURV699O *(PermReq)* **Special Topics in Survey Methodology: Nonresponse Indicators in Responsive Design Surveys; (2 credits)** Grade Method: REG/AUD. This advanced seminar will explore issues of nonresponse indicators, nonresponse bias, and nonresponse bias measurement in surveys that use responsive designs. The course will reviews the small but growing literature on nonresponse indicators and a larger but still incomplete literature on responsive design. Responsive design is a collection of techniques designed to manage to a fixed budget and to reduce nonresponse bias in survey data collection. While responsive design has been shown to reduce nonresponse rates, there is insufficient evidence that it reduces nonresponse bias as well. Students will present weekly on selected readings drawn from these literatures, and will prepare either a paper summarizing the literature or a detailed outline of a research protocol leading to a paper to investigate a problem identified in the course seminar discussions.

0101	James Wagner, James Lepkowski	Seats (Total: 5)
	Tu 8:30am - 10:30am	LEF 1218

SURV721 **Total Survey Error II**

SURV721 *(PermReq)* **Total Survey Error II; (2 credits)** Grade Method: REG/AUD. *Prerequisite: SURV720. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723.* Second part of a review of total survey error structure of sample survey data. Reviewing current research findings on the magnitudes of different error sources. Students will continue work on an independent research project which provides empirical investigation of one or more error source. An analysis paper presenting findings of the project will be submitted at the end of the course.

0101	Frauke Kreuter, Sunghee Lee	Seats (Total: 20)
	Meets January 9, 2014 - April 16, 2014	
	Th 9:00am - 11:30am	LEF 1208

SURV742 **Inference from Complex Surveys**

SURV742 *(PermReq)* **Inference from Complex Surveys; (3 credits)** Grade Method: REG/AUD.
Prerequisite: SURV440. Inference from complex sample survey data covering the theoretical and empirical properties of various variance estimation strategies (e.g., Taylor series approximation, replicated methods, and bootstrap methods for complex sample designs). Incorporation of those methods into inference for complex sample survey data. Variance estimation procedures applied to descriptive estimators and to analysis of categorical data. Generalized variances and design effects presented. Methods of model-based inference for complex sample surveys examined, and results contrasted to the design-based type of inference used as the standard in the course. Real survey data illustrating the methods discussed. Students will learn the use of computer software that takes account of the sample design in estimation.

0101	Richard Valliant, Robert Fay **Meets January 14, 2014 - April 22, 2014** Tu 3:00pm - 5:40pm	Seats (Total: 20) LEF 1208
SV01	Richard Valliant, Robert Fay **Meets January 14, 2014 - April 22, 2014** Tu 3:00pm - 5:40pm *Class will meet at the Bureau of Labor Statistics, Conference Room 10 in Washington, DC.*	Seats (Total: 10) Location: TBA

SURV744 **Topics in Sampling**

SURV744 *(PermReq)* **Topics in Sampling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: SURV440. Advanced course in survey sampling theory.

0101	Keith Rust, Richard Valliant **Meets January 9, 2014 - April 17, 2014** Th 3:00pm - 5:40pm	Seats (Total: 15) LEF 1208

SURV760 **Survey Management**

SURV760 Survey Management; (3 credits) Grade Method: REG/AUD.
Modern practices in the administration of large scale surveys. Alternative management structures for large field organizations, supervisory and training regimens, handling of turnover, and multiple surveys with the same staff. Practical issues in budgeting of surveys are reviewed with examples from actual surveys. Scheduling of sequential activities in the design, data collection, and processing of data is described.

0101	Steven Heeringa	Seats (Total: 20)
	Meets January 13, 2014 - April 22, 2014	
	M 1:30pm - 4:30pm	LEF 1208
	Course open to JPSM students only and students from other departments will need permission to register.	
SV01	Steven Heeringa	Seats (Total: 15)
	Meets January 13, 2014 - April 22, 2014	
	M 1:30pm - 4:30pm	Location: TBA
	Class meets at the Census Bureau in Suitland, MD.	

SURV772 **Survey Design Seminar**

SURV772 Survey Design Seminar; (3 credits) Grade Method: REG/AUD.
Credit only granted for: (SURV770 and SURV771) or SURV772. Formerly: SURV770 and SURV771. Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

0101	Douglas Currivan	Seats (Total: 10)
	W 4:10pm - 6:40pm	LEF 2208

SURV798Z **Advanced Topics in Survey Methodology; Bayesian Methods**

SURV798Z *(PermReq)* **Advanced Topics in Survey Methodology: Bayesian Methods; (3 credits)** Grade Method: REG/AUD.
Also offered as STAT818Z. Credit will be granted for STAT818Z or SURV798Z. Click here for more course information.

0101	Partha Lahiri	Seats (Total: 15)
	M 9:30am - 12:00pm	LEF 1208

SV01	Partha Lahiri	Seats (Total: 10)
	M 9:30am - 12:00pm	Location: TBA
	Class meets at the Census Bureau in Suitland, MD.	

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 *(PermReq)* **Doctoral Research Seminar in Survey Methodology; (3-6 credits)** Grade Method: REG.

0101	Michael Elliott, Frauke Kreuter	Seats (Total: 10)
	Meets January 8, 2014 - April 16, 2014	
	W 10:00am - 12:30pm	LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Spring 2014

TDPS201 **Introduction to Technical Production**

TDPS201 *(PermReq)* **Introduction to Technical Production; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in a major within ARHU-Dance department; or must be in a major within ARHU-Theatre department. Credit only granted for: DANC210 and THET114 or TDPS201. Formerly: DANC210 and THET114. Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

0101	Joshua Madsen	Seats (Total: 30)	
	MW 4:30pm - 5:20pm	PAC 1815	
	F 3:30pm - 5:30pm	PAC 1702	Lab

TDPS358A **Special Topics in Intermediate Performing Arts; Arts Management and Entrepreneurship**

TDPS358A *(PermReq)* **Special Topics in Intermediate Performing Arts: Arts Management and Entrepreneurship; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Curtis Stedge	Seats (Total: 25)	
	TuTh 2:00pm - 2:50pm	PAC 1809	

TDPS358J **Special Topics in Intermediate Performing Arts; Musical Theatre Jazz**

TDPS358J *(PermReq)* **Special Topics in Intermediate Performing Arts: Musical Theatre Jazz; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of department.

0101	Megan Morse Jans	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab

TDPS358P **Special Topics in Intermediate Performing Arts; Community Partnership for the Performing Arts**

TDPS358P *(PermReq)* **Special Topics in Intermediate Performing Arts: Community Partnership for the Performing Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have Junior standing, an interview, and permission of department.

0101	Leigh Smiley	Seats (Total: 12)	
	MW 3:30pm - 5:20pm	PAC 2740	

TDPS458A **Special Topics in Advanced Performing Arts; Spring Awakening Performance Practicum**

TDPS458A *(PermReq)* **Special Topics in Advanced Performing Arts: Spring Awakening Performance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD. Department Permission Required.

0101	Brian MacDevitt	Seats (Total: 25)	
	Contact instructor or department for details.		

TDPS458V **Special Topics in Advanced Performing Arts; Voice & Movement**

TDPS458V *(PermReq)* **Special Topics in Advanced Performing Arts: Voice & Movement; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of department.

0101	Adriane Fang, Ashley Smith	Seats (Total: 12)	
	MW 9:30am - 10:45am	PAC 1908	Lab

TDPS469 **Advanced Practicum in Stage Management**

TDPS469 *(PermReq)* **Advanced Practicum in Stage Management; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TDPS479 **Production Practicum**

TDPS479 *(PermReq)* **Production Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: TDPS201. Formerly THET479. A specified practical aspect of mounting a theatre or dance production with hands-on, laboratory experience.

1001	Cate Barger	Seats (Total: 15)
	Contact instructor or department for details.	
1002	Cate Barger	Seats (Total: 15)
	Contact instructor or department for details.	
1003	Cate Barger	Seats (Total: 15)
	Contact instructor or department for details.	

1004	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1005	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1006	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
1007	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2001	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2002	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2003	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2004	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2005	Cate Barger Contact instructor or department for details.	Seats (Total: 15)
2006	Cate Barger Contact instructor or department for details.	Seats (Total: 15)

THET Theatre Spring 2014

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Instructor: TBA MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 24) CSS 2324 PLS 1115	Discussion
0102	Korey Rothman MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 24) CSS 2324 PLS 1111	Discussion
0103	Korey Rothman MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 24) CSS 2324 SPH 0307	Discussion
0104	Korey Rothman MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 24) CSS 2324 PLS 1117	Discussion
0105	Korey Rothman MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 24) CSS 2324 PLS 1111	Discussion
0201	Instructor: TBA MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 24) CSS 2324 PHY 1204	Discussion
0202	Instructor: TBA MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 24) CSS 2324 PLS 1117	Discussion
0203	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 24) CSS 2324 SPH 0307	Discussion
0204	Instructor: TBA MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 24) CSS 2324 PLS 1111	Discussion
0205	Instructor: TBA MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 24) CSS 2324 PLS 1119	Discussion

THET116 Fundamentals of Theatrical Design

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Freshman standing; and must be in Theatre program; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Andrew Cohen, Kelsey Hunt	Seats (Total: 20)	
	TuTh 3:30pm - 5:20pm	PAC 2733	Lab

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: THET220 or THET222. Formerly: THET220. Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Scot Reese	Seats (Total: 14)	
	TuTh 9:30am - 11:15am	PAC 3732	Lab
0102	Jennifer Barclay Newsham	Seats (Total: 14)	
	TuTh 1:30pm - 3:15pm	PAC 3730	Lab

THET223 **Text and Context in Western Theatre**

THET223 *(PermReq)* **Text and Context in Western Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: (THET223 and THET113) or (THET223 and THET115). Formerly: THET113 and THET115. Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0101	Allan Davis TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 0201	
0102	James Ball MW 9:00am - 10:15am	Seats (Total: 25) PAC 1815	

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theater**
Contact department for information to register for this course.

THET285 **The Art of Communication and Presentation**

THET285 The Art of Communication and Presentation; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285. An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

0101	Robert Thompson MW 1:00pm - 2:50pm	Seats (Total: 25) PAC 1809	
0102	Sara Thompson MW 10:00am - 11:50am	Seats (Total: 25) PAC 1809	

THET291 **American Theatre 1890-Present**

THET291 American Theatre 1890-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

0101	Jessica Krenek, Adam Sheaffer MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 TYD 1132	 Discussion

0102	Adam Sheaffer, Jessica Krenek MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 TYD 1132	Discussion

THET299L **Independent Study; Analyzing Performances**
Contact department for information to register for this course.

THET299Z **Independent Study; Issues of Realism**
Contact department for information to register for this course.

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116, THET222, THET223, and TDPS201; and must Interview; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Ashley Smith TuTh 10:00am - 11:50am	Seats (Total: 12) PAC 3730	Lab

THET325 **Actor's Process I**

THET325 *(PermReq)* **Actor's Process I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed or be concurrently enrolled in THET310 and THET362; or permission of Instructor. And must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Focus on use of self in creating character. Tools employed include decision-making and use of imagery, personalization, objectives, adjectives, and verbs.

0101	Mitchell Hebert M 1:00pm - 3:50pm	Seats (Total: 12) PAC 3730	Lab
0102	Robert Jansen M 1:00pm - 3:50pm	Seats (Total: 12) PAC 3732	Lab

THET328V **Special Topics in Intermediate Theatre and Performance; Viewpoints**

THET328V *(PermReq)* **Special Topics in Intermediate Theatre and Performance: Viewpoints; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET222, THET223, THET116, and TDPS201.

0101	Jennifer Barclay Newsham	Seats (Total: 18)	
	W 1:00pm - 3:30pm	PAC 3730	

THET369X **Special Topics in Study Abroad III; Fourth-Year French II**
Contact department for information to register for this course.

THET380 **Sound Design**

THET380 *(PermReq)* **Sound Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116. And THET114; or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher. Theatre Sound Design is a first course in designing sound for stage productions.

0101	Eric Shimelonis	Seats (Total: 10)	
	TuTh 9:30am - 10:45am	PAC 2727	Lab

THET383 **Costume Design I**

THET383 *(PermReq)* **Costume Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: TDPS201 or THET114; and (THET116, THET222, and THET223). Or permission of ARHU-School of Theatre, Dance & Performance Studies department.
Basic principles of theatre costume design and introduction to rendering skills. Emphasis on development of design conception, unity, character statement, basic clothing design and period style adaptation.

0101	Helen Huang	Seats (Total: 10)
	MW 1:00pm - 2:15pm	PAC 2733

THET384 **Stage Costume Construction II**

THET384 *(PermReq)* **Stage Costume Construction II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET284; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET384 or THET487. Formerly: THET487. Study and practical experience in the construction of stage costumes, props and accessories. Pattern development by draping, millinery, and crafts.

0101	Emily Hoem TuTh 9:00am - 11:50am	Seats (Total: 5) PAC 3749

THET386 **Experiential Learning**
Contact department for information to register for this course.

THET388C **Special Topics in Performance Studies; Theatre for Social Change**

THET388C Special Topics in Performance Studies: Theatre for Social Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	Emily Warheit TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET399F **Independent Study; Modern British Theater**
Contact department for information to register for this course.

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399L **Independent Study; Contemporary British Drama**
Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**
Contact department for information to register for this course.

THET408C **Seminar: Theory and Performance Studies; Carnival: Festival Culture and Performance**

THET408C Seminar: Theory and Performance Studies: Carnival: Festival Culture and Performance; (3 credits) Grade Method: REG/P-F/AUD.

0101	James Ball	Seats (Total: 30)
	MW 12:30pm - 1:45pm	PAC 1815

THET408D **Seminar: Theory and Performance Studies; Dramaturgy**

THET408D *(PermReq)* **Seminar: Theory and Performance Studies: Dramaturgy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: interview and permission required.

0101	Faedra Carpenter	Seats (Total: 5)
	W 2:00pm - 4:30pm	PAC 1815

THET420 **Language and the Actor**

THET420 *(PermReq)* **Language and the Actor; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET325 or THET324; and must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Explores the actor's relationship to language, particularly heightened poetic language, in order to: develop the ability to embody language and vocally and physically project the images; apply an intellectual understanding of the inherent structural, poetic, and rhetorical techniques of heightened language in combination with action theory; and access the inner states of character while expressing them through text.

0101	Mary Coy	Seats (Total: 12)
	TuTh 3:30pm - 5:20pm	PAC 3732

THET428D **Special Topics in Advanced Theatre and Performance; Advanced Media Design**

THET428D *(PermReq)* **Special Topics in Advanced Theatre and Performance: Advanced Media Design; (3 credits)** Grade Method: REG.

0101	Jared Mezzocchi	Seats (Total: 8)	
	TuTh 11:00am - 12:45pm	PAC 2727	Lab

THET428J **Special Topics in Advanced Theatre and Performance; Advanced CAD**

THET428J *(PermReq)* **Special Topics in Advanced Theatre and Performance: Advanced CAD; (3 credits)** Grade Method: REG.

0101	Joshua Madsen	Seats (Total: 6)	
	MW 1:00pm - 2:15pm	PAC 2727	

THET429 **Actor's Studio**
Contact department for information to register for this course.

THET452 **Musical Theatre Workshop II**

THET452 *(PermReq)* **Musical Theatre Workshop II; (3 credits)** Grade Method: REG.
Prerequisite: Must audition. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Development of the ability to move, act and express through the media of lyric and music from the integrated musicals of the 1960s through the development of concert and rock/pop musicals.

0101	Scot Reese	Seats (Total: 16)	
	Th 1:30pm - 4:30pm	PAC 2740	Lab

THET474 **Advanced Stage Management**

THET474 *(PermReq)* **Advanced Stage Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; and (THET116, THET222, THET223, and THET274); and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and sophomore standing or higher. Intensive practical study of the techniques and procedures for stage management.

0101	Cary Gillett	Seats (Total: 12)	
	MW 3:00pm - 4:30pm	PAC 1809	

THET477 **Design Studio in Lighting**

THET477 *(PermReq)* **Design Studio in Lighting; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: THET377; and permission of ARHU-School of Theatre, Dance Performance Studies department. Also offered as: THET659. Cre granted for: THET477 or THET659. Designed for students who have successfully completed THET377 and wish to further develop their lighting design skills. Emphasis is on theoretical design of productions and realized light lab projects. Particular design projects will vary.

Contact department for information to register for this course.

THET489I **Special Topics in Theatre History from 1800 to Present; Aeschylus to Orlandersmith**

THET489I Special Topics in Theatre History from 1800 to Present: Aeschylus to Orlandersmith; (3 credits) Grade Method: REG/P-F/AUD.

0101	Faedra Carpenter MW 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET489P **Special Topics in Theatre History from 1800 to Present; History of Shakespeare in Performance**

THET489P Special Topics in Theatre History from 1800 to Present: History of Shakespeare in Performance; (3 credits) Grade Method: REG/P-F/AUD.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET497 **Non-Traditional Theatre**
Contact department for information to register for this course.

THET499 **Independent Study**

THET499 Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 5)

0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Esther Lee Contact instructor or department for details.	Seats (Total: 5)
0601	Ashley Smith Contact instructor or department for details.	Seats (Total: 5)
0701	Jennifer Barclay Newsham Contact instructor or department for details.	Seats (Total: 5)
0801	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)
1101	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)
2005	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)

THET499G **Independent Study; Realism and Theater Naturalism**
Contact department for information to register for this course.

THET499P **Independent Study; Advanced Playwriting**

THET499P *(PermReq)* **Independent Study: Advanced Playwriting; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: an interview and permission of department.

0101	Jennifer Barclay Newsham	Seats (Total: 12)
	TuTh 9:00am - 10:50am	PAC 1815

THET499Q **Independent Study; Theatrical Forms and Genres**
Contact department for information to register for this course.

THET499R **Independent Study; Issues of Realism**
Contact department for information to register for this course.

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET499Z **Independent Study; The London Stage**
Contact department for information to register for this course.

THET608D **Seminar: Theory and Performance Studies; Dramaturgy**

THET608D Seminar: Theory and Performance Studies: Dramaturgy; (3 credits)
Grade Method: REG/AUD.

0101	Faedra Carpenter	Seats (Total: 5)
	W 2:00pm - 4:30pm	PAC 1815

THET608T **Seminar: Theory and Performance Studies; Theatre of State and Government**

THET608T Seminar: Theory and Performance Studies: Theatre of State and Government; (3 credits) Grade Method: REG/AUD.

0101	James Ball	Seats (Total: 10)
	Th 2:00pm - 4:30pm	PAC 1815

THET639 **Advanced Design Studio in Scenery**

THET639 *(PermReq)* **Advanced Design Studio in Scenery; (3 credits)** Grade Method: REG/AUD.

0101	Daniel Conway	Seats (Total: 6)	
	Th 9:00am - 11:50am	PAC 2755	

THET649 **Advanced Design Studio in Costume**

THET649 *(PermReq)* **Advanced Design Studio in Costume; (3 credits)** Grade Method: REG/AUD.

0101	Helen Huang	Seats (Total: 4)	
	W 9:00am - 11:50am	PAC 2755	

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Daniel Wagner	Seats (Total: 4)	
	MW 3:00pm - 4:50pm	PAC 2733	

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669B **Independent Study; Art of Collaboration**

THET669B *(PermReq)* **Independent Study: Art of Collaboration; (3 credits)** Grade Method: REG/AUD.

0101	Mitchell Hebert	Seats (Total: 8)	
	M 9:00am - 11:50am	PAC 2740	Lab

THET669I **Independent Study; Stage Costume Construction II**

THET669I Independent Study: Stage Costume Construction II; (3 credits) Grade Method: REG/AUD.

0101	Emily Hoem TuTh 9:00am - 11:50am	Seats (Total: 5) PAC 3749	

THET669J **Independent Study; Advanced CAD**

THET669J *(PermReq)* **Independent Study: Advanced CAD; (3 credits)** Grade Method: REG/AUD.

0101	Joshua Madsen MW 1:00pm - 2:15pm	Seats (Total: 4) PAC 2727	

THET669M **Independent Study; Mediaturgy**

THET669M Independent Study: Mediaturgy; (3 credits) Grade Method: REG/AUD.

0101	Jared Mezzocchi F 9:00am - 12:00pm	Seats (Total: 12) PAC 2727	Lab

THET678 **Theory of Visual Design For the Performing Arts**

THET678 Theory of Visual Design For the Performing Arts; (3 credits) Grade Method: REG/AUD.

1001	Aaron Posner MW 12:30pm - 3:30pm	Seats (Total: 6) PAC 2747	Lab
1301	Brian MacDevitt MW 12:30pm - 3:30pm	Seats (Total: 6) PAC 3731	Lab
1601	Daniel Conway MW 12:30pm - 3:30pm	Seats (Total: 6) PAC 2755	Lab

THET698I **Seminar: Theatre History; 1800 to 2000**

THET698I Seminar: Theatre History: 1800 to 2000; (3 credits) Grade Method: REG/AUD.

0101	Franklin Hildy Tu 4:00pm - 6:30pm	Seats (Total: 10) PAC 1809

THET712 **Historical Research Methods and Historiography in Theatre**

THET712 Historical Research Methods and Historiography in Theatre; (3 credits) Grade Method: REG/AUD.
Prerequisite: THET700. Formerly: PCOM712. A survey of methods commonly used in writing theatre history and their application to a suitable problem. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substantial claims, organizing and writing research for disciplinary outlets.

0101	Esther Lee TuTh 11:00am - 12:15pm	Seats (Total: 10) PAC 1809

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UMEI Maryland English Institute Spring 2014

UMEI001 **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI001 *(PermReq)* **English as a Foreign Language: Beginning; (12 credits)**

Grade Method: S-F.

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Daniel Ball, Jonathan Malone	Seats (Total: 15)
	Meets January 13, 2014 - May 7, 2014	
	MTuWThF 9:00am - 11:50am	COL 0100
	MThF 1:00pm - 2:50pm	EDU 1315
	TuW 1:00pm - 2:50pm	ARM 0103

UMEI002 **English as a Foreign Language: Intermediate I**

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)**

Grade Method: S-F.

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos, Raymond Smith	Seats (Total: 15)
	Meets January 13, 2014 - May 7, 2014	
	MTuWThF 9:00am - 11:50am	COL 0113
	MF 1:00pm - 2:50pm	EDU 2102
	TuWTh 1:00pm - 2:50pm	JMZ 3122

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 *(PermReq)* **English as a Foreign Language: Intermediate II; (12 credits)**
Grade Method: S-F.
Restriction: Permission of EDUC-Dean-Maryland English Institute department.
Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Annelies Galletta, Melanie Baker	Seats (Total: 16)
	Meets January 13, 2014 - May 7, 2014	
	MTuWThF 9:00am - 11:50am	ARM 0120
	MWF 1:00pm - 2:50pm	EDU 3233
	TuTh 1:00pm - 2:50pm	ARM 0120
0201	Diego Hernandez, Melanie Baker	Seats (Total: 15)
	Meets January 13, 2014 - May 7, 2014	
	MWF 9:00am - 11:50am	ARM 0103
	TuTh 9:00am - 11:50am	ARM 0118
	MWF 1:00pm - 2:50pm	COL 0113
	TuTh 1:00pm - 2:50pm	ARM 0121

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.

Restriction: Permission of EDUC-Dean-Maryland English Institute department.

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Daniela Wagner-Loera, Glenn Knapp	Seats (Total: 18)
	Meets January 13, 2014 - May 7, 2014	
	MTuWThF 9:00am - 11:50am	COL 3109
	MTuWThF 1:00pm - 2:50pm	COL 3109
0201	Marilena Draganescu, Glenn Knapp	Seats (Total: 15)
	Meets January 13, 2014 - May 7, 2014	
	MWF 9:00am - 11:50am	ARC 1125
	TuTh 9:00am - 11:50am	ARC 1125
	MWF 1:00pm - 2:50pm	ARM 0121
	TuTh 1:00pm - 2:50pm	COL 0113
0301	Eric Walker, Caralyn Bushey	Seats (Total: 17)
	Meets January 13, 2014 - May 7, 2014	
	MTuWThF 9:00am - 11:50am	COL 3110
	MTuWThF 1:00pm - 2:50pm	COL 3110

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Karen Krahling-Haddad	Seats (Total: 20)
	MTuWThF 10:00am - 11:50am	HBK 1112

UMEI006 **English Pronunciation**

UMEI006 *(PermReq)* **English Pronunciation; (2 credits)** Grade Method: S-F. *Restriction: Must have graduate standing; and permission of EDUC-Dean-Maryland English Institute department.* Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Amanda Wilder MW 10:00am - 11:30am	Seats (Total: 20) EDU 2101

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.

Restriction: Must have graduate standing. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Susan Gould TuTh 6:00pm - 7:50pm	Seats (Total: 15) HBK 0123
0201	Charles Duquette W 10:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 15) PLS 1164 KEY 0120
0301	Susan Gould MW 1:00pm - 2:50pm	Seats (Total: 15) ARM 0119

UNIV University Courses Spring 2014

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F. Restriction: Must have earned a minimum cumulative GPA of 2.0 (undergraduates) or 3.0 (graduate students); and Permission of the Career Center; and permission of instructor. Click here for more information.

0101	Johana Guerra, Erica Ely	Seats (Total: 50)
	Contact instructor or department for details.	

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Brian Markowitz	Seats (Total: 15)
	Th 3:00pm - 4:50pm	LEF 1221
	Restricted to First Semester BSOS Students.	
0201	TC Lloyd, Christopher Boyle	Seats (Total: 15)
	M 10:00am - 11:50am	WDS 1127
	Restricted to First Semester BSOS Students.	
0604	Shannon Edward	Seats (Total: 20)
	W 3:00pm - 4:50pm	MTH 0201
	Restricted to freshmen in the A. James Clark School of Engineering.	
0801	Noah Jacobs	Seats (Total: 20)
	Meets January 27, 2014 - April 12, 2014	
	M 11:00am - 12:50pm	PLS 1117
	Restricted to First Semester Letters and Sciences Students.	
0802	Iceney Williams	Seats (Total: 20)
	Meets January 27, 2014 - April 12, 2014	
	Tu 11:00am - 12:50pm	SYM 0215
	Restricted to First Semester Letters and Sciences Students.	

0803	Elizabeth Johnston **Meets January 27, 2014 - April 12, 2014** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 0123
0805	Deborah Lake **Meets January 27, 2014 - April 18, 2014** Tu 4:00pm - 5:50pm *Restricted to returning Destination Rome and Destination London students.*	Seats (Total: 20) SQH 2119
0806	Deborah Lake **Meets January 27, 2014 - April 18, 2014** M 4:00pm - 5:50pm *Restricted to returning Destination Rome and Destination London students.*	Seats (Total: 20) SQH 1111

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

0101	Tiara Lowe, Tanesha Leathers W 3:00pm - 4:40pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) HBK 1108

UNIV104 **STEP: Reading and Writing at the College Level**

UNIV104 *(PermReq)* **STEP: Reading and Writing at the College Level; (1 credit)** Grade Method: REG/P-F.
Restriction: Must be in STEP Individual Admits program. A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.

0101	Peter Grybauskas W 8:00am - 8:50am	Seats (Total: 15) HBK 0115

UNIV107 **Science Technology Engineering Mathematics Colloquium**

UNIV107 Science Technology Engineering Mathematics Colloquium; (1 credit) Grade Method: REG.

Restriction: Must be a current student in Letters & Sciences. For students interested in pursuing a STEM related major. Introduces students to the fundamentals of career and major exploration and career development within the various disciplines of STEM.

0807	Lee Ann Lewis, Monique Brown W 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 KEY 0120	Discussion
0809	Monique Brown, Lee Ann Lewis W 3:00pm - 3:50pm M 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 HBK 0123	Discussion
0810	Lee Ann Lewis, Monique Brown W 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 CHM 1224	Discussion
0811	Lee Ann Lewis, Monique Brown W 3:00pm - 3:50pm M 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 KEY 0121	Discussion

UNIV108 **Business Exploration Series Colloquium**

UNIV108 Business Exploration Series Colloquium; (1 credit) Grade Method: REG. Restriction: Must be a current student in Letters and Science. For students interested in pursuing a business career. Students learn the fundamentals of career development and what the internship/job search process entails.

0162	Lisa Scheeler M 4:00pm - 4:50pm W 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 KEY 0117	Discussion
0164	Lisa Scheeler M 4:00pm - 4:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 LEF 1221	Discussion

0165	Lisa Scheeler M 4:00pm - 4:50pm W 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 KEY 0117	Discussion
0265	Lisa Scheeler M 4:00pm - 4:50pm W 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 KEY 0121	Discussion
0268	Lisa Scheeler M 4:00pm - 4:50pm Th 4:00pm - 4:50pm	Seats (Total: 20) MMH 1400 KEY 0124	Discussion

UNIV150 **Finding the Signal in the Noise**

UNIV150 Finding the Signal in the Noise; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Promotes research-readiness and productive capacity through the development of skill-sets in working with primary literature, collaborative proposal authorship and scholarly communication. Students will engage a central course theme in the development of novel business, research and policy proposals.

0101	Patrick Killion TuTh 8:00am - 9:15am	Seats (Total: 30) HBK 1112

UNIV269 **Connecting Across Cultures**
Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures; Cultural Realities of Spain**
Contact department for information to register for this course.

UNIV325 **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

UNIV325 Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Beyond the Classroom (BTC) living and learning program. Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship.

0101	James Riker Tu 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 40) SCC 1102

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	Meredith Collier Class time/details on ELMs	Seats (Total: 25) ONLINE
0201	Meredith Collier M 5:00pm - 5:50pm	Seats (Total: 25) SCC 1102

UNIV349 **Federal Semester Experiential Learning**

UNIV349 *(PermReq)* **Federal Semester Experiential Learning; (3-6 credits)** Grade Method: S-F.

0101	Joan Burton Tu 6:10pm - 7:20pm	Seats (Total: 40) SKN 0104

0201	Joan Burton	Seats (Total: 38)
	W 6:10pm - 7:20pm	SKN 0104

UNIV378 **Beyond the Classroom Experiential Learning; Internship Experiences/Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Internship Experiences/Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD. Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.

0101	James Riker	Seats (Total: 40)
	Contact instructor or department for details.	

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Curtis Burrell	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389G **Special Topics in Undergraduate Studies; Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance**

UNIV389G Special Topics in Undergraduate Studies: Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance; (3 credits) Grade Method: REG/P-F/AUD.
Priority for this course will be given to students enrolled in the Beyon d the Classroom (BTC) Program. Interested students who are not enrolled in the BTC program can e-mail: btcinfo@umd.edu for approval to sign-up for this course.

0101	James Riker	Seats (Total: 25)
	Th 3:30pm - 6:15pm	SCC 1102

UNIV389J **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

UNIV389J Special Topics in Undergraduate Studies: Federal Independent Study Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joan Burton	Seats (Total: 25)
	Contact instructor or department for details.	

UNIV389K **Special Topics in Undergraduate Studies; Special Topics in Experiential Learning Global Semester**

UNIV389K *(PermReq)* **Special Topics in Undergraduate Studies: Special Topics in Experiential Learning Global Semester; (3 credits)** Grade Method: REG/P-F.

0101	Joan Burton	Seats (Total: 38)
	Contact instructor or department for details.	
0201	Joan Burton	Seats (Total: 38)
	Contact instructor or department for details.	

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: UNIV325 and UNIV326, for advanced students in the Beyond the Classroom (BTC) Living and Learning Program. This multi-disciplinary seminar enables students to develop their leadership skills by working collaboratively with their peers on joint projects to enhance and to deepen civic engagement and constructive social change on key civic issues on campus and in the broader community on local, national and global issues. Students will carry out collaborative community-based research that addresses an important civic issue and advances civic knowledge for solving that issue. Students will write a research paper (BTC monograph) and contribute to a joint professional report. The seminar will culminate in a BTC civic education or showcase event (e.g., public forum, conference, hearing, video presentation, etc.) where students will share their findings with the broader campus and members of the relevant community.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV389T **Special Topics in Undergraduate Studies; Beyond the Classroom Seminar III: Social Media for Social Change**

UNIV389T Special Topics in Undergraduate Studies: Beyond the Classroom Seminar III: Social Media for Social Change; (3 credits) Grade Method: REG/P-F/AUD.

Priority will be given to students enrolled in the Beyond the Classroom (BTC) Program. Interested students who are not enrolled in the BTC Program can e-mail: btcinfo@umd.edu for approval to sign up for this course.

0101	James Riker	Seats (Total: 20)
	W 3:30pm - 6:15pm	SCC 1102

UNIV399P **Experiential Learning in Undergraduate Studies; People Power -- Activism for Social Change**

UNIV399P Experiential Learning in Undergraduate Studies: People Power -- Activism for Social Change; (1 credit) Grade Method: REG/P-F/AUD.

Click here for more course information.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

UNIV399Q **Experiential Learning in Undergraduate Studies; Achieving a Healthy, Just and Sustainable Food System in the21st Century**

UNIV399Q Experiential Learning in Undergraduate Studies: Achieving a Healthy, Just and Sustainable Food System in the21st Century; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sarah Baizer	Seats (Total: 15)
	W 6:30pm - 8:30pm	SCC 1102

UNIV798A **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

UNIV798A Special Topics Colloquium on University Teaching and Learning: Introduction to University Teaching; (2 credits) Grade Method: REG/AUD.

0101	Sabrina Kramer, Stephen Roth	Seats (Total: 18)
	Tu 3:00pm - 5:00pm	MCK 2113

UNIV798B **Special Topics Colloquium on University Teaching and Learning; Student Learning**

UNIV798B Special Topics Colloquium on University Teaching and Learning: Student Learning; (1 credit) Grade Method: REG.

0101	Stephen Roth, Sabrina Kramer Tu 3:00pm - 5:00pm	Seats (Total: 5) MCK 2113	

URSP Urban Studies and Planning Spring 2014

URSP289A **Livable Communities: Planning for an Aging Society**

URSP289A Livable Communities: Planning for an Aging Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Alexander Chen Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) TYD 1132 PLS 1172	Discussion
0102	Alexander Chen Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) TYD 1132 HBK 0108	Discussion
0103	Alexander Chen Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 18) TYD 1132 PLS 1119	Discussion

URSP289Q **Quality of Urban Life**

URSP289Q Quality of Urban Life; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	William Hanna Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 18) ARC 1101 ARC 1121	Discussion
0102	William Hanna Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 18) ARC 1101 ARC 1123	Discussion

0103	William Hanna	Seats (Total: 18)	
	Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	ARC 1101 ARC 1125	Discussion

URSP399 **Independent Study**

Contact department for information to register for this course.

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG. *Formerly: URSP602.* Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Alexander Chen	Seats (Total: 15)
	W 7:00pm - 9:30pm	ARC 1121

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD. *Recommended: URSP600; and an undergraduate-level statistics course; and familiarity with Microsoft Excel. Formerly: URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Casey Dawkins	Seats (Total: 15)
	Tu 7:00pm - 9:30pm	ARC 0111

URSP604 **The Planning Process**

URSP604 The Planning Process; (3 credits) Grade Method: REG/AUD.
Credit only granted for: URSP604, URBS656, or URBS604. Formerly: URBS604.
Problem formulation, goal setting, generating and evaluating alternatives, budgeting, implementation. Working with committees and communities, conducting meetings, making decisions, and making presentations.

0101	Instructor: TBA Tu 4:00pm - 6:30pm	Seats (Total: 25) ASY 3207

URSP606 **Microeconomics of Planning and Public Policy**

URSP606 Microeconomics of Planning and Public Policy; (3 credits) Grade Method: REG.
Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606. Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	Chengri Ding M 4:00pm - 6:30pm	Seats (Total: 10) ASY 3221

URSP631 **Transportation and Land Use**

URSP631 *(PermReq)* **Transportation and Land Use; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: URSP631 or URSP688L. Formerly: URSP688L. The interrelationship between transportation and land use. What are the impacts of various transportation modes on land use patterns, and how can land use solutions influence travel demand. The integration of transportation into master planning and site impact analysis. Using quantitative methods to understand the land use and transportation linkage.

0101	Hiroyuki Iseki W 7:00pm - 9:30pm	Seats (Total: 20) ARC 1125

URSP640 **Growth Management and Environmental Planning**

URSP640 Growth Management and Environmental Planning; (3 credits) Grade Method: REG/AUD.
Topics associated with growth management, defined as policies and strategies by which governments attempted to control the amount, location, pace, pattern and quality of development within their jurisdictions.

0101	James Cohen	Seats (Total: 25)
	Th 7:00pm - 9:30pm	ARC 1103

URSP661 **City and Regional Economic Development Planning**

URSP661 City and Regional Economic Development Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP606 or URSP660. Credit only granted for: URSP661, URBS440, or URBS661. Formerly: URBS661. Spatial patterns of employment and populations, and models of urban and regional growth and decline. Focus on application of economic theory and urban planning techniques to issues of local economic development and planning.

0101	Christopher Dempwolf	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	ARC 1127

URSP664 **Real Estate Development for Planners**

URSP664 Real Estate Development for Planners; (3 credits) Grade Method: REG/AUD.
Prerequisite: URSP606. Credit only granted for: URSP664 or URSP688F. Formerly: URSP688F. Planning, Architectural and Public Policy students are introduced to the real estate development process primarily from the point of view of the private entrepreneurial developer. It will include the steps in undertaking a real estate development from the initial concept to the property management and final disposition, the basic financial and tax concepts underlying real estate development, a review of national housing policy,including public-private partnerships, and solving specific real estate development problems using financial spread-sheets.

0101	David Falk	Seats (Total: 26)
	W 4:00pm - 6:30pm	SQH 1117

URSP673 **Social Planning**

URSP673 Social Planning; (3 credits) Grade Method: REG/AUD.
Credit only granted for: URSP673, URBS683, or URBS673. Formerly: URBS673.
Planning programs and policies in health, education, and social welfare. Strategies for organizational and community change and development.

0101	Howell Baum M 4:00pm - 6:30pm	Seats (Total: 20) ASY 3217

URSP688G **Recent Developments in Urban Studies; A Sustainable Baltimore-Washington Region**

URSP688G Recent Developments in Urban Studies: A Sustainable Baltimore-Washington Region; (3 credits) Grade Method: REG/AUD.

0101	Gerrit Knaap, Uri Avin Tu 1:00pm - 3:30pm	Seats (Total: 12) PKT 1112

URSP688M **Recent Developments in Urban Studies; Intrmediate Geographic Information Systems**

URSP688M Recent Developments in Urban Studies: Intrmediate Geographic Information Systems; (3 credits) Grade Method: REG/AUD.

0101	Chao Liu Th 4:00pm - 6:30pm	Seats (Total: 20) ARC 1115

URSP688X **Recent Developments in Urban Studies; New Issues in Community**

URSP688X Recent Developments in Urban Studies: New Issues in Community; (3 credits) Grade Method: REG/AUD.

0101	Howell Baum W 4:00pm - 6:30pm	Seats (Total: 20) SQH 1111

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.
Prerequistes: URSP 600, URSP 604, URSP 605 or permission of the department. Formerly: URSP 703. Credit will only be granted for one of the following: URSP 703 or URSP 709.

0101	Howell Baum	Seats (Total: 10)
	Contact instructor or department for details.	

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 credits in URSP courses. Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program. Formerly: URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP805 **Seminar in Research Design**

URSP805 Seminar in Research Design; (3 credits) Grade Method: REG.
Prerequisite: URSP804 and URSP810. Addresses fundamental aspects of research desing for Ph.D students in urban planning and policy-related fields. Topics include principles of research design, formulating a feasible hypothesis and identifying appropriate methodology for testing hypotheses eg. qualitative methods, quantitative methods, survey research. Writing of proposals and dissertation. Publication, presentation, and funding.

0101	Rolf Moeckel	Seats (Total: 15)
	Th 1:00pm - 3:30pm	JMZ 3118

URSP810 **Contemporary Metropolitan Issues**

URSP810 Contemporary Metropolitan Issues; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program. Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hpothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.

0101	Marie Howland	Seats (Total: 10)
	M 11:00am - 1:30pm	ARC 1119

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Spring 2014

USLT202 **US Latina/o Studies II: A Contemporary Overview 1960's to present**

USLT202 US Latina/o Studies II: A Contemporary Overview 1960's to present; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

0101	Perla Guerrero	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 1101

USLT488B **US Latina/o Senior Seminar**

USLT488B US Latina/o Senior Seminar; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Chester	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	SQH 1117

USLT498A **US Latina/o Studies: Special Topics; Latinas/os on the Silver Screen**

USLT498A US Latina/o Studies: Special Topics: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Chester	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1117

USLT498G **US Latina/o Studies: Special Topics; Literature of the Chicano Movement**

USLT498G US Latina/o Studies: Special Topics: Literature of the Chicano Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.Also offered as AMST328Q and ENGL358A. Credit granted for AMST328Q, ENGL358A, or USLT498G. Study of works by U.S. Latina/o writers.

0101	Randy Ontiveros	Seats (Total: 28)
	MW 2:00pm - 3:15pm	TWS 0221

VMSC Veterinary Medical Sciences Spring 2014

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 10)
	Contact instructor or department for details.	

VMSC688N **Special Topics in Veterinary Medical Sciences; Advances in Virology**

VMSC688N Special Topics in Veterinary Medical Sciences: Advances in Virology; (1-4 credits) Grade Method: REG.

0101	Daniel Perez	Seats (Total: 5)
	TuTh 9:00am - 10:50am	Location: TBA
	Contact instructor or department for details.	

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1 credit) Grade Method: REG.

0101	Meiqing Shi	Seats (Total: 20)
	Th 11:00am - 12:00pm	Location: TBA
	Contact instructor or department for details.	

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC720 **Viral Pathogenesis**

VMSC720 Viral Pathogenesis; (2 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. This course will teach graduate students about mechanisms of infections by animal and human viral pathogens, including virus-cell interactions, host responses, and consequences of virus infection. Particular attention will be focused on the molecular mechanisms of the interactions between virus and host.

0101	Yanjin Zhang	Seats (Total: 20)
	F 10:00am - 11:50am	Location: TBA

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Spring 2014

WMST200 **Introduction to Women's Studies: Women and Society**

Both WMST 200 and 250 serve as introductory courses for WMST and may be required before taking some advanced courses with a WMST prefix.

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Michele Prince MWF 11:00am - 11:50am	Seats (Total: 22) WDS 1131	
0201	Sina Lee MWF 12:00pm - 12:50pm	Seats (Total: 25) WDS 0104	

WMST211 **Women in America Since 1880**

WMST211 Women in America Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as: HIST211. Credit only granted for: HIST211 or WMST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles, including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion
0102	Robyn Muncy TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion
0103	Robyn Muncy TuTh 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion

0104	Robyn Muncy TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 TLF 1101	 Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101	Jaime Madden TuTh 9:30am - 10:45am	Seats (Total: 25) WDS 1130
0201	Jaime Madden TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 1130
0301	Cristina Perez TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130
0401	Cristina Perez TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 1108
0501	Renina Jarmon MWF 10:00am - 10:50am	Seats (Total: 25) WDS 0104
0601	Melissa Rogers MWF 11:00am - 11:50am	Seats (Total: 25) WDS 1130
0701	Jessica Vooris MWF 12:00pm - 12:50pm	Seats (Total: 25) KEY 0124
0801	Yuenmei Wong MWF 1:00pm - 1:50pm	Seats (Total: 25) WDS 1130

0901	Yuenmei Wong MWF 11:00am - 11:50am	Seats (Total: 25) CHM 1228

WMST255 **Reading Women Writing**

WMST255 Reading Women Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250. Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0101	Isabella Cooper MWF 12:00pm - 12:50pm	Seats (Total: 30) WDS 1114
0201	Elizabeth Depriest TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 1107

WMST263 **Introduction to Black Women's Studies**

WMST263 Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: WMST298A, AASP298I, or AASP298S. Formerly: WMST298A. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Augusta Bolles TuTh 11:00am - 12:15pm	Seats (Total: 30) TWS 0214

WMST269G **Special Topics in Study Abroad II; Topics on Gender Studies**
Contact department for information to register for this course.

WMST269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (in Indian Society)**
Contact department for information to register for this course.

WMST269R **Special Topics in Study Abroad II; Making Gender, Sexuality and Race**
Contact department for information to register for this course.

WMST269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**
Contact department for information to register for this course.

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: CMLT275. Credit only granted for: WMST275 or CMLT275.
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Lindsay Bogner TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 1112	
0201	Uchechi Okereke-Beshel MWF 10:00am - 10:50am	Seats (Total: 30) PLS 1111	

WMST298D **Women's Bodies in Contention**

WMST298D Women's Bodies in Contention; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 16) TYD 0117 WDS 1127	 Discussion
0102	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 16) TYD 0117 PLS 1158	 Discussion
0103	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 16) TYD 0117 WDS 1114	 Discussion

0104	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 16) TYD 0117 KEY 0103	Discussion
0105	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 16) TYD 0117 KEY 0123	Discussion

WMST298F **Special Topics in Women's Studies; Gender and Financial Well-being**

WMST298F Special Topics in Women's Studies: Gender and Financial Well-being; (1 credit) Grade Method: REG/P-F/AUD.
Meets 2/10, 2/24, 3/10, 4/7, and 4/28. Facilitates the development of greater economic acumen among women about systems of finance and economics in the world and encourages women's critical engagement in finance and economics. The course teaches students, especially women students, the nuts and bolts of managing personal finances and encourages students to consider careers in finance, while learning skills needed for leadership.

0101	Julie Enszer, Seung-Kyung Kim **Meets February 10, 2014 - April 28, 2014** M 3:00pm - 5:30pm	Seats (Total: 35) KEY 0116	

WMST298G **Special Topics in Women's Studies; Rebellious Women**

WMST298G Special Topics in Women's Studies: Rebellious Women; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST214.

0101	Instructor: TBA TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Instructor: TBA TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0103	Instructor: TBA TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0121	Discussion

0104	Instructor: TBA TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion

WMST320 **Women in Classical Antiquity**

WMST320 Women in Classical Antiquity; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as: CLAS320. Credit only granted for: CLAS320 or WMST320. A study of women's image and reality in ancient Greek and Roman societies through an examination of literary, linguistic, historical, legal, and artistic evidence; special emphasis on women's role in the family, views of female sexuality, and the place of women in creative art. Readings in primary sources in translation and modern critical writings.

0101	Lillian Doherty TuTh 12:30pm - 1:45pm	Seats (Total: 35) MMH 3418

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: SOCY325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Amy McLaughlin TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213
0201	Crosby Hipes TuTh 8:00am - 9:15am	Seats (Total: 47) ASY 3207
0301	Ann Forsythe MWF 12:00pm - 12:50pm	Seats (Total: 53) ASY 2309
0401	Ann Forsythe MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213

0501	Perry Threlfall MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0601	Amy Baxter TuTh 8:00am - 9:15am	Seats (Total: 40) ASY 3203
0701	Liana Sayer, Eowna Young Harrison, Mollie Greenberg TuTh 12:30pm - 1:45pm	Seats (Total: 80) ASY 2309

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: PSYC100. Also offered as: PSYC336. Credit only granted for: PSYC336 or WMST336.* A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to WMST or PSYC undergraduate students only.

0101	Nazish Salahuddin TuTh 11:00am - 12:15pm	Seats (Total: 110) JMZ 0220

WMST348A **Literary Works by Women; Gender, Race, and Class in British and American Narratives (1680-1930)**

WMST348A Literary Works by Women: Gender, Race, and Class in British and American Narratives (1680-1930); (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 6 credits if content differs. Also offered as: AASP398A and ENGL348A. Credit only granted for: AASP398A, ENGL348A, or WMST348A. The context, form, style and meaning of literary works by women.

0101	Carla Peterson TuTh 3:30pm - 4:45pm	Seats (Total: 28) TWS 0221

WMST348P **Literary Works by Women; Women on the Plantation**

WMST348P Literary Works by Women: Women on the Plantation; (3 credits)
Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 28)
	TuTh 9:30am - 10:45am	TWS 1107

WMST350 **Feminist Pedagogy**

WMST350 *(PermReq)* **Feminist Pedagogy; (6 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Women's Studies department. General application of feminist methodology to teaching and communication skills, teaching strategies, motivation, classroom dynamics and knowledge of students' development and learning styles.

0101	Catherine Schuler	Seats (Total: 1)
	Contact instructor or department for details.	

WMST369B **Special Topics in Study Abroad III; Spanish and Basque Gender Studies**
Contact department for information to register for this course.

WMST369L **Special Topics in Study Abroad III; Women and Society: Latin American Perspectives**
Contact department for information to register for this course.

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F.
Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.

0101	Elsa Barkley Brown	Seats (Total: 15)
	Contact instructor or department for details.	
0201	Catherine Schuler	Seats (Total: 1)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Julie Enszer	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TLF 1101

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. *Also offered as: JOUR452. Credit only granted for: JOUR452 or WMST452.* Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	KNI 1208

WMST453 **Victorian Women in England, France, and the United States**

WMST453 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG. CORE Diversity (D) Course. *Also offered as: HIST493. Credit only granted for: HIST493 or WMST453.* Examines the lives of middle and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards and women's rights.

0101	Gay Gullickson	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KEY 2120

WMST469G **Study Abroad Special Topics IV; Gender Studies: A Global Perspective**
Contact department for information to register for this course.

WMST469M **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**
Contact department for information to register for this course.

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Restriction: Must be in a major within ARHU-Women's Studies department; or must be in a major within SPHL-Behavioral & Community Health department. Also offered as: HLTH471. Credit only granted for: HLTH471 or WMST471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Faika Zanjani	Seats (Total: 125)
	MWF 9:00am - 9:50am	SPH 1312

WMST488T **Senior Seminar; Girlhood: A Transnational Historical Perspective**

WMST488T *(PermReq)* **Senior Seminar: Girlhood: A Transnational Historical Perspective; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwini Tambe	Seats (Total: 15)
	Th 2:00pm - 4:30pm	ARC 1127

WMST498B **Advanced Special Topics in Women's Studies; From Lenin to Pussy Riot: Gendering Post (Soviet) Russia**

WMST498B Advanced Special Topics in Women's Studies: From Lenin to Pussy Riot: Gendering Post (Soviet) Russia; (3 credits) Grade Method: REG/P-F/AUD.

0101	Catherine Schuler	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	KEY 0125

WMST498C **Advanced Special Topics in Women's Studies; Asian American Sexualities**

WMST498C Advanced Special Topics in Women's Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498E, AMST418T, orLGBT448E. Credit granted for AAST498E, AMST418T, LGBT448E, or WMST498C. Focuses on the concepts of race, class, gender and sexuality and their intersections. It exposes students to theories on sex, gender, sexuality, ethnicity and race as connected to Asian Pacific American identities and communities.

0101	Jeannette Soon-Ludes	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1101

WMST498G **Advanced Special Topics in Women's Studies; Women and Gender in Israel**

WMST498G Advanced Special Topics in Women's Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as ISRL449W.

0101	Pnina Peri	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1107

WMST498L **Advanced Special Topics in Women's Studies; Women in Israel**
Contact department for information to register for this course.

WMST498R **Advanced Special Topics in Women's Studies; Experiments in Feminist Learning**

WMST498R Advanced Special Topics in Women's Studies: Experiments in Feminist Learning; (3 credits) Grade Method: REG/P-F/AUD.
Heard about MOOCs? Massive Online Open Coursware? Do you know about the experimental feminist Distributed Online Collaborative Course or DOCC? How do feminists take up the challenges of non-traditional educational possibilities in a climate of restructuring universities? In this class we will all participate in an experimental MOOC on the History and Future of Higher Education which uses the MOOC platforming structures to challenge some ways of using MOOCs. We will then become a DOCC, a face to face class exploring this issues with other classes at Duke, Stanford, and elsewhere, using Google Hang Outs, Skype, Google Docs, and anything else that will allow students to make alliances and, we hope, an international student movement on behalf of our own educational futures.

0101	Katie King	Seats (Total: 30)
	Tu 4:00pm - 6:30pm	WDS 0104

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST602 **Approaches to Women's Studies II**

WMST602 *(PermReq)* **Approaches to Women's Studies II; (3 credits)** Grade Method: REG.
Prerequisite: WMST400; or students who have taken courses with comparable content may contact the department. Continued examination of intersectionality and interdisciplinarity with emphasis on the politics of knowledge production and identity.

0101	Michelle Rowley	Seats (Total: 12)
	W 4:00pm - 6:30pm	WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.

0101	Deborah Rosenfelt	Seats (Total: 10)
	TBA	WDS 1131

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST621 **Feminist Theories and Women's Movements: Genealogies**

WMST621 *(PermReq)* **Feminist Theories and Women's Movements: Genealogies; (3 credits)** Grade Method: REG/AUD.
Prerequisite: WMST400; or permission of ARHU-Women's Studies department.
Examines theories to explain the matrix of domination from the nineteenth century to the present. Students learn the key debates that produceed new insights and shifted the ground of subsequent feminist theorizing within multi-racial feminisms. Examines those debates within global perspectives. Examines how dominant theoretical frameworks have been developed at specific historical moments.

0101	Katie King	Seats (Total: 12)
	Th 4:00pm - 6:30pm	WDS 2101R

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F. For WMST students only.

0101	Michelle Rowley	Seats (Total: 10)
	Contact instructor or department for details.	

WMST698F **Special Topics in Women's Studies; Experiments in Feminist Learning**

WMST698F Special Topics in Women's Studies: Experiments in Feminist Learning; (3 credits) Grade Method: REG/AUD.
Heard about MOOCs? Massive Online Open Coursware? Do you know about the experimental feminist Distributed Online Collaborative Course or DOCC? How do feminists take up the challenges of non-traditional educational possibilities in a climate of restructuring universities? In this class we will all participate in an experimental MOOC on the History and Future of Higher Education which uses the MOOC platforming structures to challenge some ways of using MOOCs. We will then become a DOCC, a face to face class exploring this issues with other classes at Duke, Stanford, and elsewhere, using Google Hang Outs, Skype, Google Docs, and anything else that will allow students to make alliances and, we hope, an international student movement on behalf of our own educational futures.

0101	Katie King	Seats (Total: 5)
	W 1:00pm - 3:30pm	SYM 0215

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST708A **Research Seminar in Women's Studies**

WMST708A Research Seminar in Women's Studies; (3 credits) Grade Method: REG/AUD.

0101	Augusta Bolles	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	WDS 2101R

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0101	Elsa Barkley Brown	Seats (Total: 3)
	Contact instructor or department for details.	

0201	Augusta Bolles Contact instructor or department for details.	Seats (Total: 2)
0301	Bonnie Dill Contact instructor or department for details.	Seats (Total: 2)
0401	Seung-Kyung Kim Contact instructor or department for details.	Seats (Total: 3)
0501	Katie King Contact instructor or department for details.	Seats (Total: 2)
0601	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 3)
0701	Michelle Rowley Contact instructor or department for details.	Seats (Total: 3)
0801	Catherine Schuler Contact instructor or department for details.	Seats (Total: 2)
0901	Ashwini Tambe Contact instructor or department for details.	Seats (Total: 2)
1001	Ruth Zambrana Contact instructor or department for details.	Seats (Total: 3)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.